THOMSON MULTI MEDIA

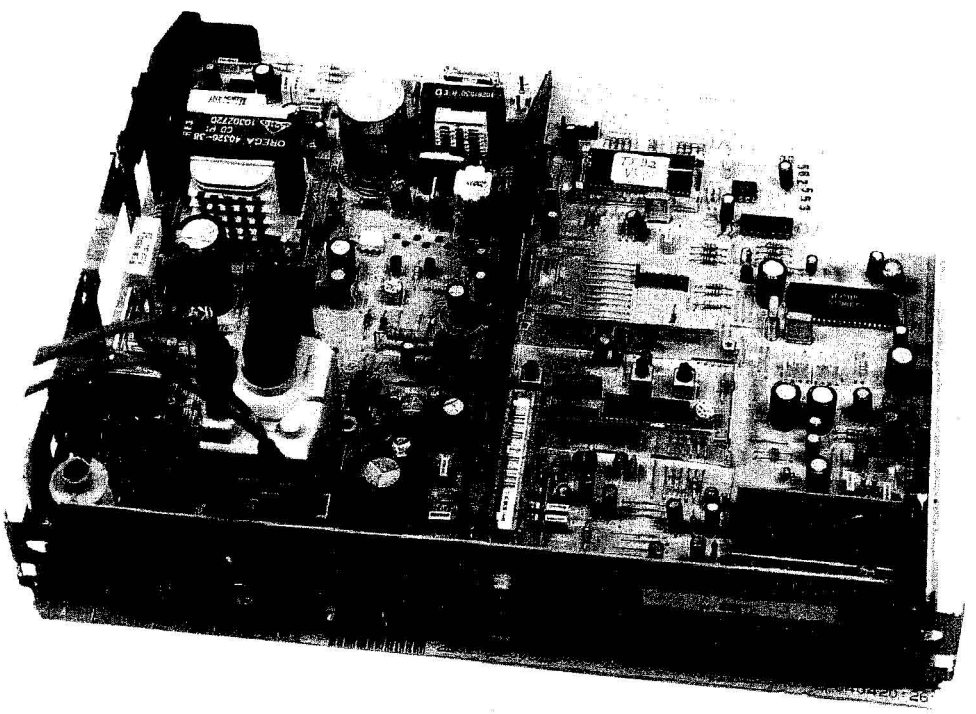
Brandt FERGUSON **NORDMENDE** SABA **TELEFUNKEN** **THOMSON**

TV

SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

TX92F

TX92 F0C7715020
F0C7715054
F0C7725020
F6C701501D
F6C7015010
F6C7015020
F6C7015064
F6C7025010
F6C3025043
F6C3025060
F6C3025063
F6C3025073
F6H3015064
F6H3025060



⚠

WARNING : *Before servicing this chassis read the safety recommendations.*
ATTENTION : *Avant toute intervention sur ce châssis, lire les recommandations de sécurité.*
ACHTUNG : *Vor jedem Eingriff auf diesem Chassis, die Sicherheitsvorschriften lesen.*
ATTENZIONE : *Prima di intervenire sullo chassis, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

⚠ Indicates specially selected or critical safety components and identical components should be used for there replacement. This is necessary in order to maintain the operational safety of the receiver.

Le remplacement des éléments de sécurité (repérés avec le symbole ⚠) par des composants non homologués selon la Norme CEI 65 entraine la non-conformité de l'appareil. Dans ce cas, la responsabilité du fabricant n'est plus engagée.

Wenn Sicherheitsteile (mit dem Symbol ⚠ gekennzeichnet) durch nicht normengerechte Teile ersetzt werden, erlischt die Haftung des Herstellers.

La sostituzione degli elementi di sicurezza (marcati con il segno ⚠) con componenenti non omologati secondo la norma CEI 65 comporta la non conformitá dell'apparecchio. In tal caso è "esclusa la responsabilità " del costruttore.

La sustitución de elementos de seguridad (marcados con el simbolo ⚠) por componentes no homologados segun la norma CEI 65, provoca la no conformidad del aparato. En ese caso, el fabricante cesa de ser responsable.

MEASUREMENT CONDITIONS - CONDITIONS DE MESURES - MESSBEDINGUNGEN CONDIZIONI DI MISURA - CONDICIONES DE MEDIDAS

RECEIVER : UHF input level : 1 mV, test bar pattern :
- PAL, I standard, 100% white.

Scart input level : 1.00 Vpp, test bar pattern.

Programme PR 01.
Customer controls : Contrast, brigtness and colour set at mid point and sound at minimum.
All DC voltages are measured with a digital meter between ground and the reference point.

RECEPTEUR : En UHF, niveau d'entrée 1 mV mire de barres
- SECAM. Norm L, Blanc 100%.

Par la prise Péritélévision, niveau d'entree 1 Vcc, mire de barres.

Couleur, contraste, lumière à mi-course, son minimum.
Programme affecte PR 01.

Tensions continues relevees par rapport à la masse avec un voltmètre numérique.

EMPFÄNGER : Bei UHF Eingangspegel 1 mV, Farbbalken :
- PAL, Norm G, Weiss 100%.

Über die Scartbuchse : Eingangspegel 1 Vss, Farbbalken :

Farbe, Kontrast, Helligkeit in der Mitte des Bereichs, Ton auf Minimum.
Zugeordnetes Programm PR 01.

Gleichspannungen mit einem digitalen Voltmeter zur Masse gemessen.

RICEVITORE : In UHF, livello d'entrata 1 mV, monoscopio per barre :
- PAL, norma G, bianco 100%.

Per la pressa SCART, livello d'entrata 1 Vcc, monoscopio per barre.

Colore, Contrasto, Luce a metà corsa, Suono minimo.
Programma designato PR 01.

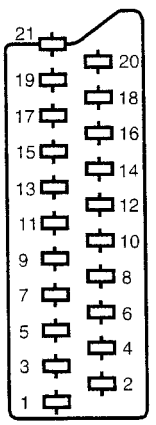
Tensioni continue rilevate rispetto alla massa con un voltametro numerico.

RECEPTOR : En UHF, nivel de entrada 1 mV, mira de barras :
- PAL, norma G, blanco 100%.

Por la toma Peritelevision, nivel de entrada 1 Vpp mira de barra.

Color, Contraste, luz a mitad de carrera, Sonido mínimo.
Programa afectado PR 01.

Tensiones continuas marcadas en relacion a la masa con un voltímetro digital.



NOTE : (MAIN) ... etc. identifies each pcb module.

NOTE : (MAIN) ... etc. repères des platines constituant l'appareil.

HINWEIS : (MAIN) ...usw. Kennzeichnungen der Platinen, aus denen das Gerät zusammengesetzt ist.

NOTA : (MAIN) ... ecc. indicazioni delle piastre che costituiscono l'apparecchio.

NOTA : (MAIN) ... etc. marcas de las placas que constituyen el aparato.

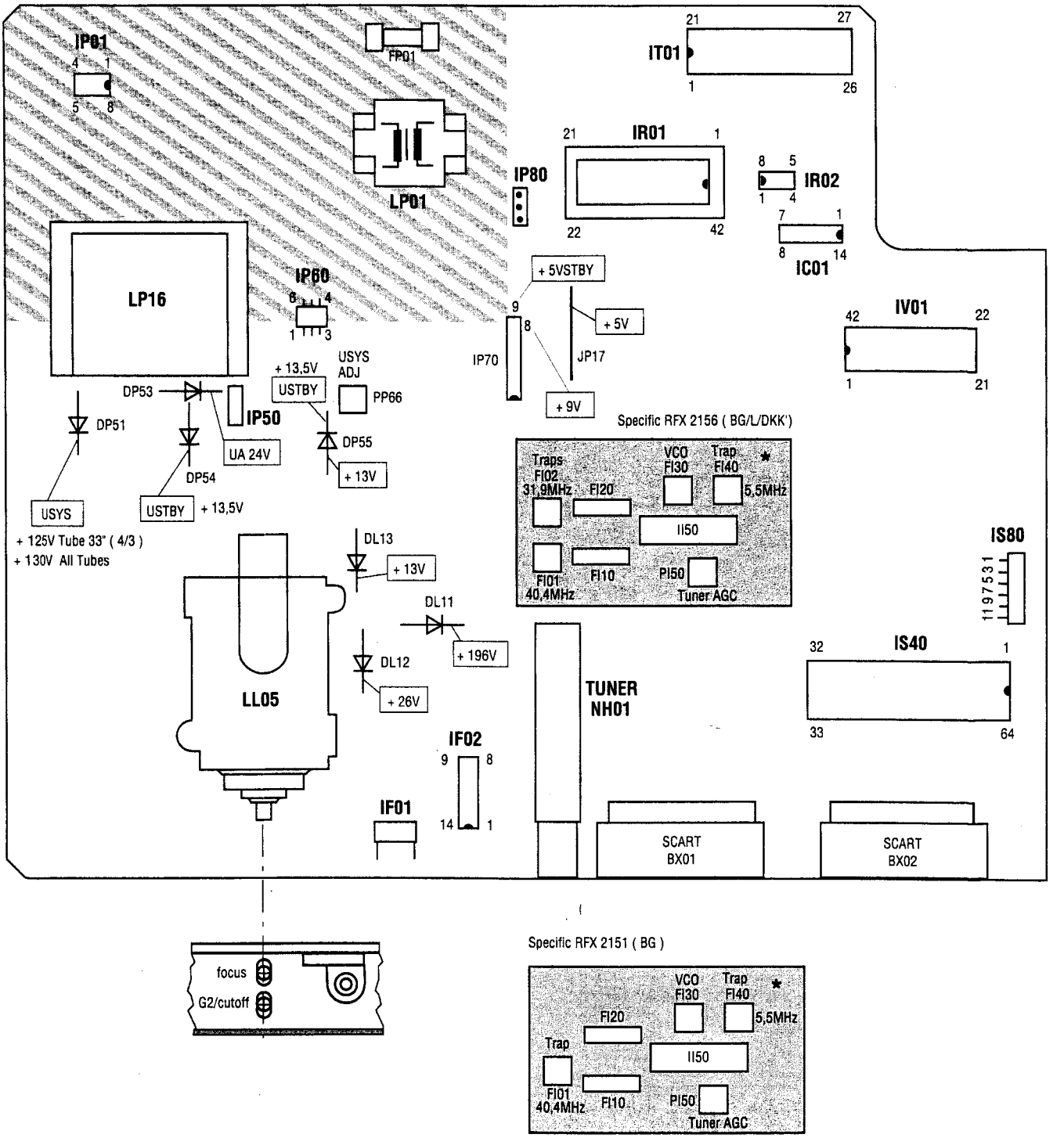
		ENGLISH	FRANÇAIS	DEUTSCH	ITALIANO	ESPAÑOL
1	⊖→	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
2	→⊕	AUDIO "R"	AUDIO "D"	AUDIO "R"	AUDIO "D"	AUDIO "D"
3	⊖→	AUDIO "L"	AUDIO "G"	AUDIO "L"	AUDIO "S"	AUDIO "I"
4	—	AUDIO	AUDIO	AUDIO	AUDIO	AUDIO
5	⊥	" BLUE "	" BLEU "	"BLAU"	"BLU"	"AZUL"
6	→⊕	AUDIO "L" MONO	AUDIO "G" MONO	AUDIO "L" MONO	AUDIO "S" MONO	AUDIO "I" MONO
7	→⊕	" BLUE "	" BLEU "	"BLAU"	BLU	AZUL
8	→⊕	SLOW SWITCH	COMMUT. LENTE	AV UMSCHALTUNG	"COMMUTAZIONE LENTA"	"CONMUTACION LENTA"
9	⊥	" GREEN "	"VERT"	"GRÜN"	"VERDE"	"VERDE"
10	NC					
11	→⊕	" GREEN "	"VERT""	"GRÜN"	"VERDE"	"VERDE"
12	NC					
13	⊥	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
14	NC					
15	→⊕	" RED "	"ROUGE"	"ROT"	"ROSSO"	"ROJA"
16	→⊕	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
17	—	VIDÉO	VIDÉO	VIDÉO	VIDÉO	VIDÉO
18	⊥	FAST SWITCH	COMMUT. RAPIDE	AUSTASTUNG	"COMMUTAZIONE RAPIDA"	"CONMUTACION RAPIDA"
19	⊖→	VIDEO	VIDÉO	VIDÉO	VIDÉO	VIDÉO
20	→⊕	VIDEO OR "SYNC"	VIDEO SYNCHRO	VIDÉO ODER SYNCHRO	VIDEO O SINCRO	VIDEO O SINCRO
21	⊖→	PLUG SCREEN BOX	BLINDAGE PRISE	ABSCHIRMUNG DES STECKERS	ARMATURA DELLA SPINA	BLINDAJE DEL ENCHUFE

⊖→ : OUTPUT - SORTIE - AUSGANG - USCITA - SALIDA

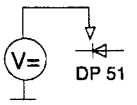
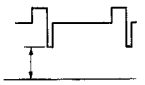
→⊕ : INPUT - ENTRÉE - EINGANG - ENTRATA - ENTRADA

⊥ : EARTH - MASSE - MASSE - MASSA - MASA

LOCATION OF CONTROLS - EMPLACEMENT DES REGLAGES - SERVICE LAGEPLAN - POSIZIONE REGULATORI DI SERVIZIO - SITUACIÓN DE LOS AJUSTES



ADJUSTMENTS - REGLAGES - EINSTELLUNGEN - REGOLAZIONE - AJUSTES

U Sys	PP 66	Contrast, brightness and volume to minimum		125V - Tube 33" (4/3) (A79 ECU 13x41) | JL52 130V - all tubes tous tubes | JL51
U G2 / cutoff	SCREEN	AV (no Signal, black screen)	CRT IB01: pins 9 / 12 / 15 highest output	 Tube type□ | Cutoff AXX EAS | 150V AXX ECY | 160V A79 ECU | 160V W56 EGV | 160V W66 EDX | 160V W76 EGC | 160V
FOCUS	FOCUS	Test pattern (standard values)		Sharp picture

SERVICE-MODE (GB)

It is necessary to enter the Service Mode in order to carry out alignment of the TV set. Most adjustments can be made with the RCU, except the Usystem, Focus and Screen voltages.

1. Service Mode Access

1.1 With the RCU, switch the TV set into the **"Standby"** mode.
1.2 Switch **"Off"** the TV set by mains supply switch (wait until LED is dark).
1.3 Whilst depressing the RCU **"Blue (VT)"** button, switch **"On"** the TV set using the mains supply switch.
1.4 Release and press once again the RCU **"Blue (VT)"** button, the following **"Set-Up"** menu should be diplayed."

SET-UP	VIDEO	GEOM
TX92 NM		Configuration

Important : The Service Mode cannot be entered if any equipment is connected to the Scart socket, i.e. pin 8 switching voltage present.

2. Function or Page Selection (GEOM)

2.1 With the RCU Volume **"+"** and **"-"** buttons, highlight the menu containing the function to be aligned.
2.2 Press the RCU **"Blue (VT)"** button to highlight the function to be aligned, or selected the page (1 , 2, 3..).

3. Switching between Service and TV modes

3.1 Whilst in the Service Mode, normal TV controls are disabled, to enable these controls whilst in the Service Mode (i.e. for channel changing etc.) press the**"TV"** button on the RCU. To return to the Service Mode, press the **"Blue (VT)"** button on the RCU.

4. Alignment and storing new function value

4.1 The current value of the selected function is displayed in a hexadecimal form to the right of the function name. This value is adjusted by means of the RCU Volume **"+"** and **"-"** buttons.
4.2 To STORE the functions new value, highlight **MEMO** and press the RCU Volume **"+"** button.
4.3 To RESTORE the functions original value, highlight **R-STO(RE)** and press the RCU Volume **"+"** button.
4.4 Selection the ROM functions downloads the production software default values, these are not very accurate and should only be used in very special cases.
Whilst in the «Service-Mode»,a long press (more than 3s) of the RCU «0» button, will reset the TV to the «factory default conditions».

5. Leaving the Service Mode

5.1 To leave the Service mode either, switch the TV set into **"Standby"** or switch **"Off"** the mains supply.

MODE SERVICE (D)

Der Service-Mode wird für den Geräteabgleich benötigt. Alle Einstellungen erfolgen mit der Fernbedienung (bis auf Systemspannung, Fokuseinstellung und Schirmgitterspannung).

1.Service-Mode einschalten

1.1 Mit der Fernbedienung das Fernsehgerät in Stand-by schalten.
1.2 Das Gerät mit dem Netzschalter ausschalten (warten bis LED dunkel ist)
1.3 Die blaue Taste der Fernbedienung gedrückt halten und gleichzeitig das Gerät mit dem Netzschalter einschalten.
1.4 Das folgende Menü erscheint nach erneutem Drücken der blauen Taste

SET-UP	VIDEO	GEOM
TX92 NM		Configuration

Achtung : Der Service-Mode läßt sich nicht einschalten, wenn an einer Euro-AV-Buchse ein Gerät aktiviert ist, d.h. die Schaltspannung anliegt.

2. Funktionswahl oder Seitenwahl (GEOM)

Mit den Tasten +/- wird das entsprechende Menü gewählt, welches mit der blauen Taste durchgeblättert wird oder die Seite ausgewählte wird (1,2 oder 3...).

3. Umschalten zwischen Service- und TV-Betrieb

Im Service-Mode sind die normalen Fernsehfunktionen nicht bedienbar. Werden diese im Service-Mode benötigt (z.B. Programmwechsel), kann mit der Taste (**TV**) in den normalen TV-Betrieb geschaltet werden. Durch Drücken der blauen Taste gelangt man zurück zum Service Mode.

4. Abgleich der gewählten Funktion und Speichern

Der momentane Wert der gewählten Funktion wird hexadezimal rechts neben der abzugleichenden Position angegeben und kann mit der Taste + bzw. - auf der Fembedienung verändert werden.
Die Änderungen des jeweiligen Menüs können unter MEMO mit der + Taste gespeichert, bzw unter R-STO(RE) rückgängig gemacht werden.
Im Menüpunkt ROM kann man die Software-Defaultwerte laden.Sie sind aber nur eine grobe Annäherung an den noch vorzunehmenden Abgleich und sollten nur im Notfall verwendet werden.
Im Service-Menü : Durch längeren Druck auf die "0" Taste auf der Fernbedienung wird das Gerät auf die "Factory default Werte zurückgesetzt.

5. Service-Mode verlassen

Zum Verlassen des Service-Mode das Gerät in Stand By schalten oder mit dem Netzschalter ausschalten.

TV mono :

SET-UP					
Software code and configuration					
BRAND	1	2	3		NONE
TUNER	A				B
NORM	I	B	BD	BLD	BIL
SUB-VOL	- 2 / 2				1
- R-STO	+ MEMO				O ROM

TV stereo :

SET-UP					
Software code and configuration					
BRAND	1	2	3		NONE
TUNER	A				C
NORM	I	B	BD	BLD	BIL
DEC PR04	On				Off
- R-STO	+ MEMO				O ROM

VIDEO *page 1*		
SUB-BRT	7 / 7	0

VIDEO *page 2*		
R-DC	00-3F	24
G-DC	00-3F	12

VIDEO *page 3*		
R-DRV	00-3F	1F
G-DRV	00-3F	1E

VIDEO *page 4*		
B-DRV	00-3F	1C
PEAK		- / +

VIDEO *page 5*		
SUB-COL	-7 / 7	2
- RESTORE	- MEMO	0 ROM

page 1

GEOM		
V - POS	00 - 1F	10
V - AMP	00 - 7F	40
V - LIN	00 - 0F	07
H - PHA	00 - 3F	1F
H - AMP	00 - 3F	1F

page 2

GEOM		
EW - TILT	00 - 1F	0F
EW - AMP	00 - 1F	0F
EW -SHP	00 - 0F	07
- RESTORE	- MEMO	0 ROM

Test Bar pattern used : 4/3 with geometric circle.
Mire utilisée : 4/3 avec un cercle de géométrie.

. adjust separate for 4/3 and 16/9 format
. régler séparément pour les formats 4/3 et 16/9

SET-UP	
BRANDT	**Brand Selection** 1 : TELEFUNKEN 2 : SABA/FERGUSON/ BRANDT 3 : THOMSON/ NORDMENDE
TUNER	**Tuner Type Selection** A = Alps Selection C = CTT5000
NORM	**Standards** B = BG PAL SECAM (Sound FM 5,5MHz) I = I PAL (UK/IRELAND) (Sound FM 6MHz) L = L SECAM (France) (Sound AM 6.5MHz) D = DKK' SECAM (SOUND AM 6.5 MHZ) M = NTSC M (Sound FM 4.5MHz)
DEC PR4 (TX92 stereo)	NICAM From Canal+ decoder NICAM du Decod. Canal+ On : Enable OFF : Disable The special sound path handling for Canal+ on PRO4 Validation NICAM issu du decodeur Canal + (PRO4)
SUB-VOL (TX92 mono)	Volume offset adjustment: ◀— V — = 50% Ve (AV) = 500mV / 1kHz Adjust SUB-VOL | Vs (Z = 8) Régler SUB-VOL | = 545mV

VIDEO		
SUB-BRT ☼ + ◔ + ◑ = 50%		black, noir
R - DC*		grau, grey
G - DC*		grau, grey
R -DRV		weiß, white
G - DRV		weiß, white
B - DRV		weiß, white
PEAK** ☼ + ◔ = 50% ◑ = 100%	**CRT Pin 6,8,11** **Oscillo. or colorimeter**	4/3 Nits Vpp 25" FS 420 80 28" FS 350 80 25" MP 420 76 28" MP 350 74 33" MP 280 80 Tube 16/9 24" SF 580 90 28" MP 480 92
SUB-COL	**75% PAL Colour-bar Test pattern**	Saturation=100% CRT Pin 11(B) (Oscillo.1)

GEOM		
V - Pos		
V - Amp		
V - Lin		
H - PHA		
H - AMP		

EW - TILT		
EW - AMP		
EW - SHP		

Notes :

* adjust separate for PAL/NTSC/SECAM and RGB/AV

* régler séparément pour PAL/NTSC/SECAM et RGB/AV

* * After PEAK white adjustment control brightness and cut off setting. Repeat the adjustments if necessary.
Après le réglage de PEAK white contrôlez les réglages de lumière et de cut-off.Réitérez si nécessaire.

Software Code :

Software Release Code	Description
TX92NM - (V V)	TX92F Mono Software
TX92NS - (V V)	TX92F Stereo Software

TV Configuration Code :

T	TEXT MODULE
S	STEREO MODULE
M	MONO SET

Oscillos.1

blue kathode

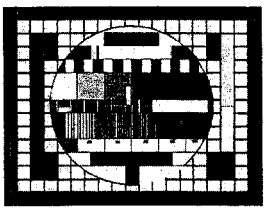
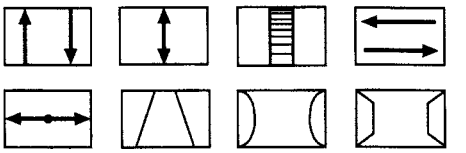
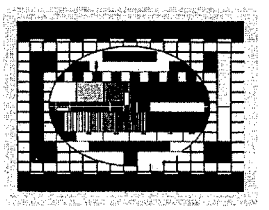
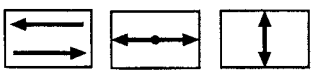
correct

blue kathode

incorrect

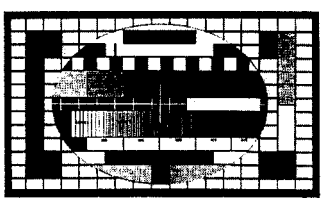
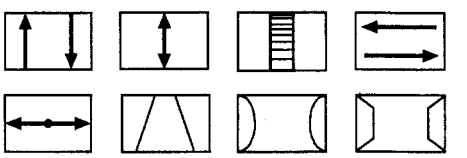
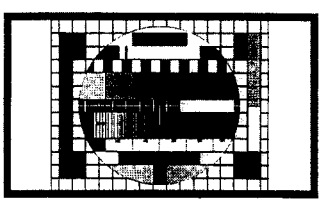
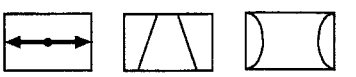
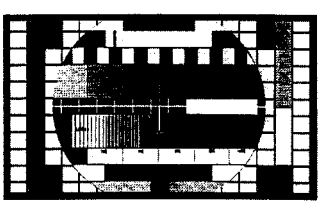
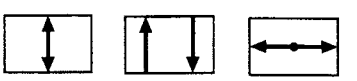
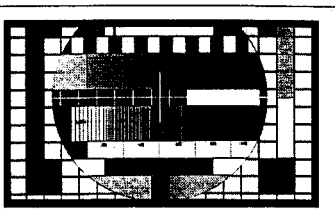
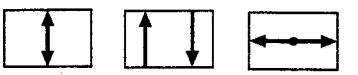
GEOMETRY MODE ALIGNMENT - RECEIVER : TV WITH 4/3 TUBE

Signal : 4/3 test pattern

4 / 3 standard mode		overscan V=107% , H=107% 
16 / 9 standard mode		 1 - Adjust the horizontal overscan (reference : screen edge) 2 - Adjust the vertical amplitud until the oval heigh is 75% of the oval width.

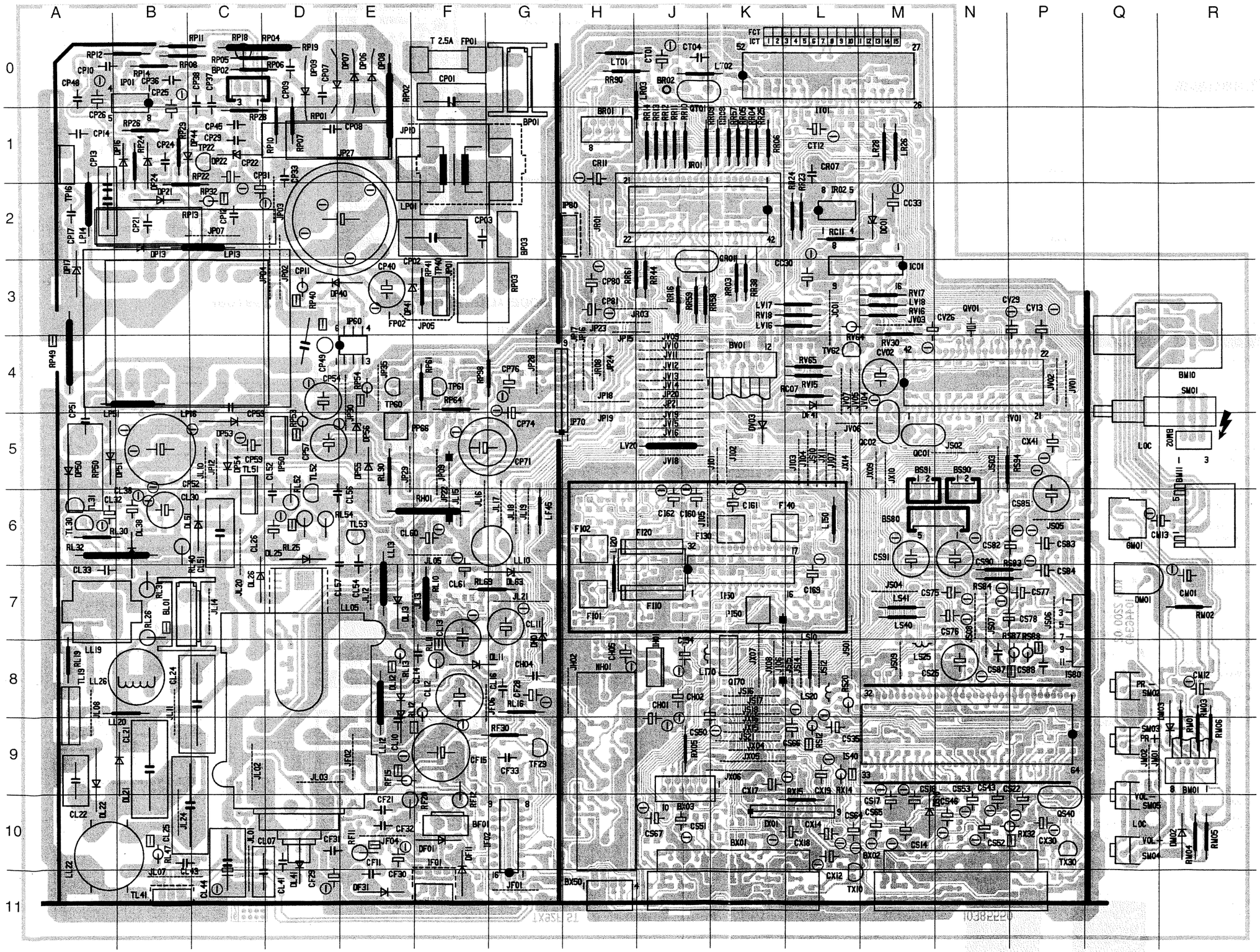
GEOMETRY MODE ALIGNMENT - RECEIVER : TV WITH 16/9TUBE

Signal : 4/3 test pattern

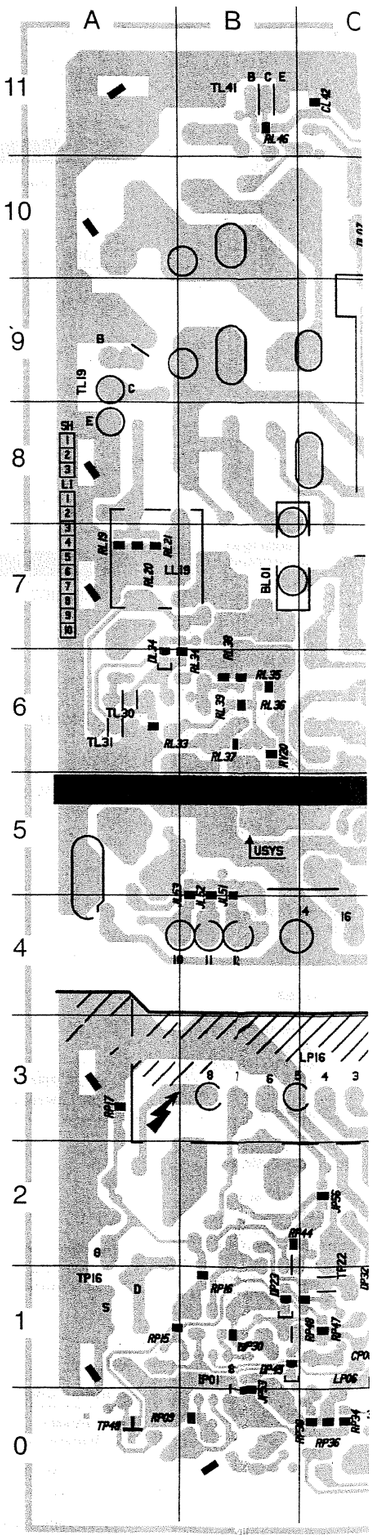
16 / 9 Full screen mode (zoom 3)		overscan V=107% , H=107% 
4/3 Centered (curtain) (zoom 1)		overscan V=107% , H=77% of the screen  1 - V-pos, V-amp, V-LIN, H-PHA, EW-SHP : default data 2 - Adjust H-AMP, EW-TILT, EW-AMP
< 4/3 > wide (zoom 2)		overscan V=133% , H=107%  1 - V-LIN, H-PHA, EW-TILT, EW-AMP : default data 2 - Adjust V-POS, V-AMP, H-AMP
⇧ 4/3 ⇧ PANNING (zoom 2)		overscan V=133% , H=107%  1 - V-LIN, H-PHA, EW-TILT, EW-AMP : default data 2 - Adjust V-POS, V-AMP, H-AMP

MAIN BOARD - PLATINE PRINCIPALE - CHASSIS GRUNDPLATTE - PIASTRA PRINCIPALE - PLATINA PRINCIPAL (TX92F STEREO)

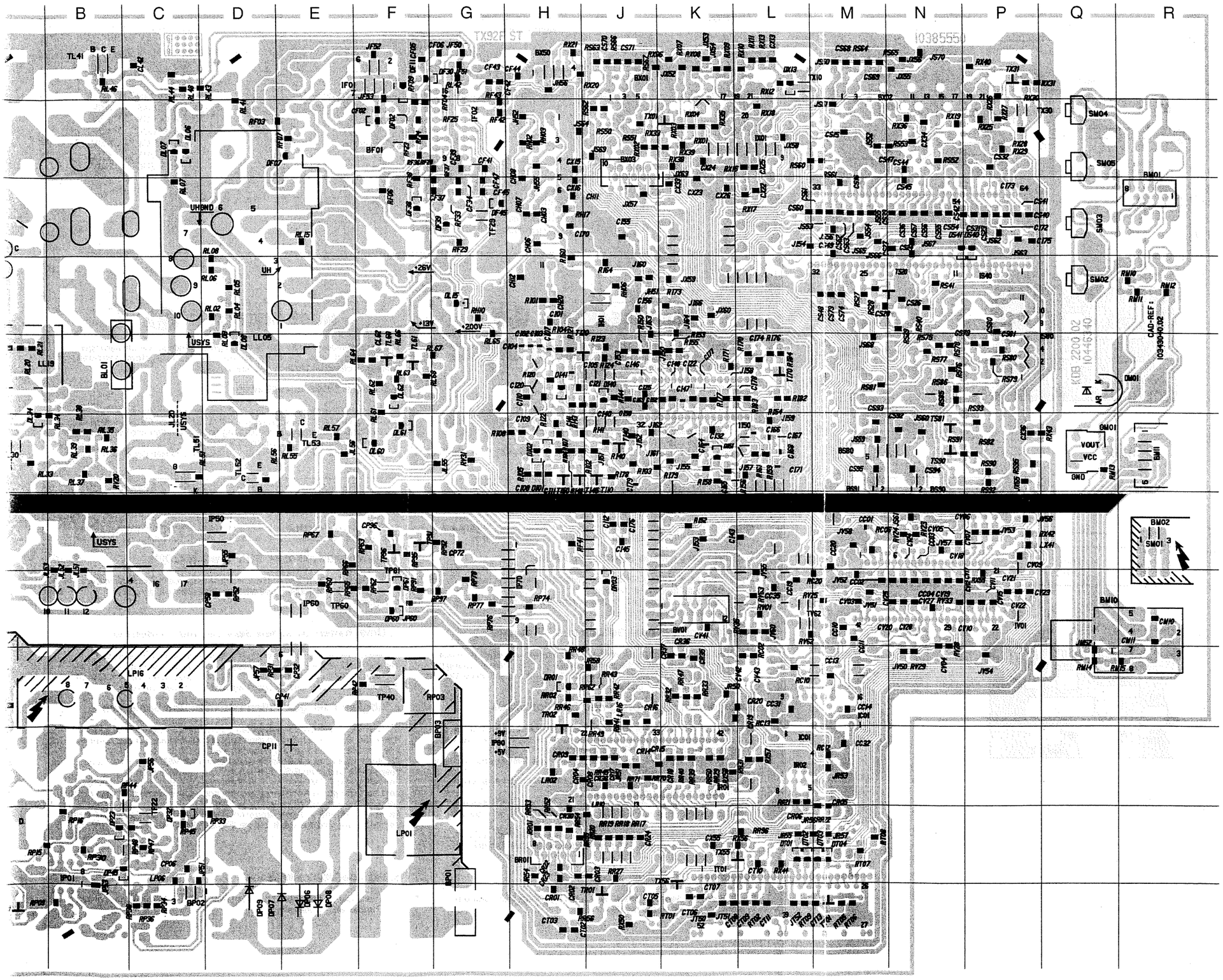
COMPONENT SIDE - COTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDUR



R SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDADURAS



1	2	3

BF01	F10
BF01*	F10
BL01	B7
BL01*	B7
BM01	R9
BM01*	R9
BM02	R5
BM02*	R5
BM10	R4
BM10*	Q4
BM11	R5
BM11*	R6
BP01	G1
BP01*	G1
BP02	C0
BP02*	C0
BP03	G2
BP03*	G2
BR01	H1
BR01*	H1
BR02	J0
BS80	M6
BS80*	M6
BS90	N5
BS91	M5
BS91*	M6
BV01	K4
BV01*	K4
BX01	K10
BX01*	J11
BX02	M10
BX02*	M11
BX03	J10
BX03*	J10
BX50	H11
BX50*	H11

CC01*	M5
CC02*	M4
CC03*	N5
CC04*	N4
CC10*	M4
CC11*	M3
CC13*	M3
CC14*	M3
CC19*	L4
CC20*	M5
CC30	K3
CC31*	L3
CC32*	M2
CC33	M2
CC35*	L4
CF02*	F10
CF05*	F11
CF06*	G11
CF11	E11
CF15	F9
CF21	E10
CF28	G8
CF29	D11
CF30	E11
CF31	D10
CF32	E10
CF33	G9
CF34*	G9
CF37*	G9
CF39*	G10
CF41*	G10
CF42*	H11
CF43*	G11
CF44*	H11
CF45*	G9
CF47*	G9
CH01	J8
CH02	J8
CH03*	H9
CH04	G8
CH05	H8
CH06*	H9
CH07*	H9
CH08*	H10
CH11*	J9
CH12*	H8
CH20*	H8
CI01*	H8
CI02*	H8
CI03*	H8
CI04*	H7
CI05*	J7
CI07*	H8
CI08*	H6
CI09*	H6
CI10*	H7
CI11*	H5
CI11*	H6
CI12*	J5
CI20*	H7
CI21*	J7
CI22*	K7

CI25*	J7
CI32*	K6
CI40*	J7
CI43*	K5
CI44*	H6
CI45*	J5
CI46*	J7
CI47*	K7
CI48*	K7
CI50*	J7
CI52*	J7
CI53*	J7
CI54	J8
CI55*	J9
CI56*	J8
CI60	J6
CI61	K6
CI62	J6
CI63*	J7
CI64*	K6
CI65*	K6
CI66*	L6
CI67*	L6
CI68*	L6
CI69	L7
CI70*	J9
CI71*	L6
CI72*	P9
CI73*	P9
CI74*	L7
CI75*	P9
CI76*	J5
CI77*	K7
CI78*	L7
CI79*	J6
CL07	C10
CL10	E9
CL11	G7
CL12	F8
CL13	F7
CL14	E8
CL16	G8
CL21	B9
CL22	A10
CL24	B8
CL25	B10
CL26	C6
CL30	B6
CL32	B6
CL33	A7
CL38	B6
CL41	D11
CL42*	C11
CL43	B11
CL44	C11
CL51	C7
CL52	D5
CL54	E7
CL56	E6
CL57	D7
CL60	E6
CL61	F7
CL62*	F7
CM01	R7
CM10*	R4
CM11*	R4
CM12	R8
CM13	Q6
CP01	F0
CP02	E3
CP03	F2
CP06*	C1
CP07	D0
CP08	E1
CP09	D0
CP10	A0
CP11	D3
CP11*	D2
CP12	C2
CP13	A1
CP14	A1
CP16	B1
CP17	A2
CP21	B2
CP22	C1
CP24	B1
CP25	B0
CP26	A1
CP29	C1
CP31	C1
CP32*	E3
CP33	D1
CP36	B0
CP36*	K4
CP37	C0
CP38	C0
CP40	E3
CP41*	E3
CP44	C1
CP45	C1
CP48	A0
CP49	D4
CP51	A5
CP52	B6
CP52	C5

CP53	C5
CP54	D4
CP57	D5
CP58*	D4
CP59	C5
CP71	G5
CP72*	G5
CP74	G5
CP76	G4
CP80	H3
CP81	H3
CP96*	F5
CR01*	M0
CR02*	M0
CR03*	J1
CR04*	H2
CR05*	M1
CR06*	L1
CR07	L1
CR08*	J2
CR09*	H2
CR11	H1
CR14*	J2
CR15*	J2
CR16*	J3
CR17*	J2
CR18*	K2
CR19*	L3
CR20*	L3
CR22*	H1
CR23*	H1
CR24*	J1
CR30*	H1
CR35*	K3
CR37*	K3
CR38*	J2
CS14	M10
CS15*	M10
CS16*	M10
CS17	M10
CS18	M10
CS22	N10
CS23*	P9
CS24*	N9
CS25	M8
CS26*	N8
CS27*	M9
CS28*	M8
CS31*	P9
CS32*	P10
CS35	L9
CS36*	N9
CS39*	M9
CS40*	P9
CS41*	P9
CS42*	N9
CS43	N10
CS44*	N10
CS45*	N9
CS46	N10
CS47*	M10
CS48*	M8
CS49*	M9
CS50	J9
CS51	J10
CS52	N10
CS53	N10
CS54*	N9
CS55*	N9
CS56*	N9
CS57*	N9
CS60*	L9
CS61*	L9
CS62*	M9
CS63*	M9
CS64	L10
CS65	M10
CS66	L9
CS67	J10
CS68*	M11
CS69*	M11
CS70*	J11
CS71*	J11
CS73*	M8
CS74*	M8
CS75	M7
CS76	N8
CS77	P7
CS78	P7
CS79*	N8
CS80*	N8
CS81	M6
CS81*	N8
CS82	N6
CS83	P6
CS84	P7
CS85	P6
CS87	N8
CS88	P8
CS90	N7
CS92*	N6
CS93*	M7
CS94*	N6
CS95*	M6
CT01	J0

CT02*	M0
CT03*	M0
CT04	J0
CT05*	J0
CT06*	K0
CT07*	K0
CT08*	K0
CT09*	L0
CT10*	L1
CT11*	L0
CT12	L1
CV02	M4
CV03*	M4
CV04*	N3
CV05*	N5
CV06*	P5
CV07*	P5
CV09*	P5
CV10*	P4
CV11*	P4
CV12*	P4
CV13	P3
CV15*	P4
CV17*	P4
CV18*	N5
CV19*	N4
CV20*	M4
CV21*	P4
CV22*	P4
CV23*	Q4
CV24*	N5
CV25*	M4
CV26	N3
CV27*	N4
CV28*	N4
CV29	N3
CV41*	K4
CV42*	L3
CV43*	L3
CX12	L11
CX13*	L11
CX14	L10
CX15*	H10
CX16*	H9
CX17	K10
CX18	L10
CX19	L10
CX22*	L9
CX23*	K9
CX24*	K10
CX25*	L10
CX26*	K9
CX30	P10
CX33*	K9
CX34*	N10
CX36*	P6
CX41	P5
CX55*	K1
CX56*	K1

DC01	M2
DF01	F10
DF01*	H6
DF02*	F10
DF02*	H6
DF07*	E10
DF11*	F11
DF30*	G11
DF31	E11
DF38*	F9
DF39*	G9
DF41	L5
DF45*	G9
DH01	G8
DI40*	J7
DI41*	H7
DI51*	K6
DL06*	C10
DL07*	C10
DL08*	D7
DL12	E8
DL13	E7
DL15*	G8
DL21	B10
DP22	C1
DP23*	B1
DP24	B2
DP32*	C1
DP40	D3
DP41	E3
DP45*	B1
DP50	A5
DP51	B5
DP53	C5
DP54	C5
DP55	E5
DP56	E5
DP60*	F4
DP61*	F4
DR01*	H3
DR03*	J4
DS10	M10

COMPONENTS LOCATION - LOCALISATION DES ELEMENTS - LAGE DER BAUTEILE
LOCALIZZAZIONE DEGLI ELEMENTI - LOCALIZACION DE LOS COMPONENTES

* SOLDER SIDE - COTE CUIVRE - LÖTSEITE - LATO SALDATURE - LADO DEL COBRE

DS40*	P9
DS41*	N9
DT01*	L1
DT02*	L1
DT03*	M1
DT04*	M1
DT13*	M0
DV03	K5
DX01	K10
DX13*	L11

FI01	H7
FI02	H6
FI10	J7
FI20	J6
FI30	J6
FI40	K6
FP01	F0
FP02	E3

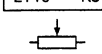
IC01*	L2
IC01*	M3
IC03	M3
IF01	F11
IF01*	E11
IF02	F10
IF02*	G10
IH01	J8
IH01*	J8
II50	K7
II50*	L6
IP01	B0
IP01*	B1
IP50	D5
IP50*	D5
IP60	E3
IP60*	E4
IP70*	H4
IP80	H2
IP80*	G2
IR01	J1
IR01*	K2
IR02	L2
IR02*	L2
IS40	L9
IS40*	P8
IS80	P8
IS80*	Q7
IT01	L1
IT01*	K1
IV01	N5
IV01*	P4
IX01*	L10

JC01	L3
JF01	G11
JF02	E9
JF04	E10
JF06	G8
JF50*	G11
JF51*	G11
JF52*	F11
JF53*	F11
JH02	H8
JH51*	J8
JH52*	H10
JH55*	H9
JH56*	H11
JI01	J5
JI02	K5
JI03	L5
JI04	L5
JI05	J6
JI06	K8
JI07	L5
JI50*	K7
JI51*	J6
JI52*	J6
JI53*	K5
JI54*	L9
JI55*	K6
JI57*	L6
JI58*	L7
JI59*	L6
JI60*	J8
JI61*	J6
JI62*	J6
JI63*	J8
JI64*	K8
JI66*	K8
JL01	C10
JL02	C9

JL03	D9
JL05	F7
JL07	B11
JL08	A8
JL10	C5
JL11	B8
JL12	E7
JL13	F7
JL14	C7
JL15	F6
JL16	F6
JL17	G6
JL18	G6
JL19	G6
JL20	C7
JL20*	C6
JL21	G7
JL24	B10
JL51*	B4
JL52*	B4
JL53*	B4
JL55*	G6
JL56*	F6
JM01	Q9
JM02	Q9
JM52*	Q4
JP01	F3
JP02	D3
JP03	D2
JP04	C3
JP05	F3
JP07	C2
JP09	F5
JP10	F1
JP12	C5
JP15	H4
JP16	H4
JP17	H4
JP18	H4
JP19	H5
JP20	J4
JP21	J4
JP22	F6
JP23	H3
JP24	H4
JP27	E1
JP28	G4
JP29	E5
JP30	E5
JP35	E4
JP51*	D1
JP53*	B0
JP56*	C2
JP56*	L1
JP57*	D3
JP60*	F4
JR01	H2
JR03	H3
JR08	H4
JR50*	K3
JR51*	J2
JR53*	M2
JR54*	H1
JR55*	L1
JR57*	M1
JR58*	J3
JS01	L8
JS02	N5
JS03	N5
JS04	M7
JS05	P6
JS06	P7
JS07	N7
JS08	N8
JS09	M8
JS10	L5
JS12	L8
JS14	L8
JS15	K8
JS16	K8
JS17	K8
JS18	K9
JS21	K9
JS50*	M11
JS51*	M11
JS52*	M10
JS53*	L9
JS54*	M9
JS55*	M9
JS56*	M9
JS59*	M6
JS60*	N6
JS61*	N5
JS62*	P9
JS63*	P9
JS64*	H10
JS65*	M9
JS66*	M9
JS67*	N9
JS68*	M7

JS69*	J10
JS70*	N11
JT50*	K0
JT51*	K0
JT52*	L0
JV01	P4
JV02	P4
JV03	M3
JV04	L4
JV05	L4
JV06	L5
JV07	L4
JV09	J4
JV10	J4
JV11	J4
JV12	J4
JV13	J4
JV14	J4
JV15	J5
JV16	J5
JV18	J5
JV19	J5
JV50*	N3
JV51*	M4
JV52*	M4
JV53*	P5
JV54*	P3
JV55*	L4
JV56*	Q5
JV58*	M5
JV60*	L4
JX04	K9
JX05	K9
JX06	K9
JX07	K8
JX08	K8
JX09	M5
JX10	M5
JX11	L5
JX14	L5
JX15	K9
JX16	K9
JX52*	K11
JX53*	K11
JX54*	K11
JX55*	N11
JX56*	N11
JX57*	J9
JX58*	L10
JX59*	K8
JX60*	K8
JX63*	K10
JX65*	P6

LF45	G6
LI20	H6
LI50	L6
LI70	J8
LL05	E7
LL05*	D7
LL10	G7
LL12	E9
LL13	E6
LL19	A8
LL19*	B7
LL20	B9
LL22	A11
LL26	A8
LP01	E2
LP01*	F1
LP06*	C1
LP13	C2
LP14	A2
LP16	B5
LP16*	C3
LP51	A5
LR02*	H2
LR03	J0
LR10*	J1
LR16*	J3
LR26	M1
LR28	M1
LS10	L8
LS20	L8
LS25	M8
LS40	M7
LS41	M7
LT01	H0
LT02	K0
LV17	K3
LV18	M3
LX41*	Q5
LV20	H5
LY16	K3



PI50	K7

QC01	M5
QC02	L5
QI70	K8
QR01	K3
QS40	P10
QT01	J1
QV01	N3

RC02*	L3
RC06*	M5
RC07	K4
RC10*	L3
RC11	L2
RC12*	M2
RC13*	L2
RC20*	L4
RF03*	D10
RF04*	G11
RF06*	F9
RF07*	E10
RF09*	F11
RF11	E10
RF12	F10
RF15	E9
RF20	F10
RF23*	F10
RF24*	F10
RF25*	G10
RF28*	F10
RF29*	G9
RF30	G9
RF33*	G9
RF36*	F10
RF37*	G10
RF38*	F9
RF41*	H5
RF42*	G10
RF43*	G11
RH01	F6
RH02*	H10
RH03*	H10
RH06*	J8
RH10*	G8
RH17*	J9
RI01*	H8
RI02*	J6
RI03*	J6
RI04*	H8
RI05*	H6
RI06*	H6
RI07*	H6
RI08*	G6
RI20*	H7
RI21*	H8
RI22*	H6
RI23*	J7
RI24*	J7
RI40*	J6
RI41*	J6
RI42*	H5
RI42*	H6
RI43*	H6
RI44*	J7
RI50*	J8
RI52*	K5
RI53*	K8
RI54*	L7
RI55*	K7
RI56*	L6
RI58*	K6
RI59*	L6
RI60*	H9
RI61*	L6
RI64*	J8
RI70*	L7
RI71*	K7
RI73*	K8
RI76*	L7
RI77*	K7
RI78*	J6
RI79*	K6
RI82*	L7
RI83*	L7
RI84*	L7
RL02*	D8
RL03*	D7
RL04*	D8
RL05*	D8
RL06*	D8
RL07*	C9
RL08*	D9
RL10	F7
RL12	E8
RL13	E8
RL15*	E9

RL16	G8
RL19	A8
RL19*	A7
RL20*	A7
RL21*	A7
RL25	D6
RL26	B7
RL30	B6
RL31	B7
RL32	A6
RL33*	B6
RL34*	B6
RL35*	B6
RL36*	B6
RL37*	B7
RL38*	B6
RL39*	B6
RL40	C7
RL41*	D10
RL42*	G11
RL43*	D11
RL44*	C11
RL46*	B11
RL48*	C11
RL51*	B6
RL52	D6
RL54	E6
RL55*	E6
RL56*	E6
RL57*	E6
RL61*	F7
RL62*	F7
RL63*	F7
RL64*	F7
RL65	F7
RL65*	G7
RL66*	F7
RL67*	G7
RL68*	G7
RL90	E5
RM01	R9
RM02	R7
RM03	R9
RM04	R10
RM05	R10
RM06	R9
RM10*	R8
RM11*	R8
RM12*	R8
RM13*	Q6
RM14*	Q3
RM15*	Q3
RP01	D1
RP02	E0
RP03	G3
RP03*	G3
RP04	D0
RP05	C0
RP06	D0
RP07	D1
RP08	B0
RP09*	A0
RP10	D1
RP11	C0
RP12	A0
RP13	B2
RP14	B0
RP15*	A1
RP16*	B1
RP17*	A3
RP18	C0
RP19	D0
RP22	C1
RP24	B1
RP26	B1
RP28	C1
RP29	B1
RP30*	B1
RP31*	D3
RP32	C2
RP33*	D1
RP34*	C0
RP36*	C0
RP38*	C0
RP40	D3
RP41	F3
RP42*	F3
RP44*	C2
RP45*	C1
RP47*	C1
RP48*	C1
RP49	A4
RP50	A5
RP52*	D4
RP53	D5
RP54	E4
RP56*	J0
RP60*	E4
RP61	F4
RP62*	F4

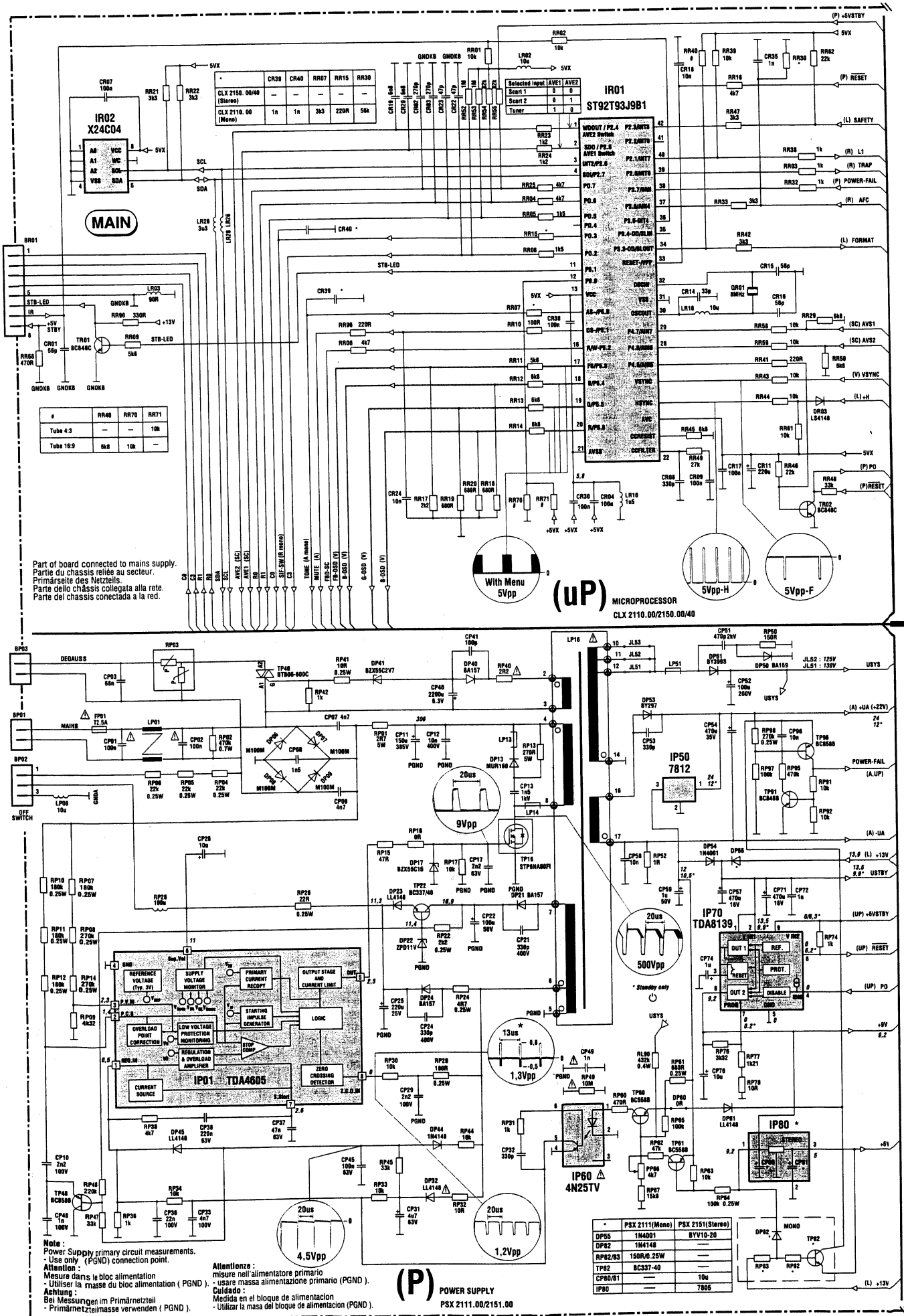
RP63*	F5
RP64	F4
RP65*	E4
RP66	F5
RP66*	E5
RP67*	E5
RP74*	H4
RP76*	G4
RP77*	G4
RP78*	G4
RP91*	F4
RP92*	G5
RP95*	F5
RP97*	G4
RP98	F4
RR01*	H1
RR02*	H3
RR03	K3
RR04	K1
RR05	K1
RR06	K1
RR08	K1
RR09	J1
RR10	J1
RR11	J1
RR12	J1
RR13	J1
RR14	J1
RR16	J3
RR17*	J1
RR18*	J1
RR19*	J1
RR20*	J1
RR21*	L1
RR22*	M1
RR23	L2
RR24	L2
RR25	K1
RR27*	J1
RR29*	K2
RR31*	L2
RR32*	K3
RR33*	K3
RR38	K3
RR39*	K2
RR40*	K2
RR41*	J2
RR42*	J3
RR43*	J3
RR44	J3
RR45*	J2
RR46*	H3
RR47*	K3
RR48*	H3
RR49*	J2
RR50*	K2
RR52*	H1
RR53*	H1
RR54*	H1
RR55*	J1
RR57	K1
RR58	J3
RR59	J3
RR61	H3
RR62*	J3
RR70*	J2
RR71*	J2
RR90	H0
RR96*	L1
RS12	L9
RS20	L8
RS27*	M8
RS28*	M8
RS29*	N7
RS40*	N8
RS41*	N8
RS50*	J10
RS51*	J10
RS52*	N10
RS53*	N10
RS60*	L10
RS61*	M10
RS62*	J10
RS63*	J11
RS64*	M11
RS65*	N11
RS66*	J11
RS67*	J11
RS75*	N7
RS76*	N7
RS77*	N7
RS78*	N7
RS79*	P7
RS80*	P7
RS81*	M7
RS82*	P6
RS83	N7
RS84	N7
RS85*	N7
RS86*	N7

RS87	N8
RS88	P8
RS90*	P6
RS91*	N6
RS92*	P6
RS93*	P7
RS94	N5
RS95*	P6
RT01*	K0
RT02*	L0
RT05*	N0
RT06*	N0
RT07*	M1
RT08*	M1
RT09*	L0
RV01*	L4
RV15	L4
RV16	M3
RV17	M3
RV18	K3
RV20*	B6
RV23*	N5
RV24*	N5
RV25*	L4
RV28*	N3
RV29*	N3
RV30	M4
RV31*	G6
RV33*	L4
RV35*	L4
RV62*	L4
RV63*	L4
RV64	L4
RV65	L4
RX01*	K10
RX02*	J10
RX03*	K10
RX04*	K10
RX06*	J11
RX07*	K11
RX08*	K11
RX09*	K11
RX10*	L11
RX11*	L11
RX12*	L11
RX13*	L11
RX14	L10
RX15	L10
RX16*	K10
RX17*	L9
RX18*	L10
RX19*	N10
RX20*	J11
RX21*	H11
RX25*	P10
RX26*	P10
RX27*	P10
RX28*	P10
RX29*	P10
RX30*	P11
RX31*	Q11
RX32	P10
RX33*	J10
RX35*	K10
RX36*	N10
RX38*	K10
RX39*	K10
RX40*	P11
RX42*	Q5
RX43*	Q6
RX44*	L1
RX50*	J0
RX55*	P4
RX57*	L2
RX58*	K2

TF29	G9
TF29*	G9
TI10*	J5
TI10*	J6
TI20*	J8
TI45*	J5
TI45*	J6
TI50*	H6
TI70*	L7
TL19	A8
TL19*	A9
TL30	A6
TL30*	A6
TL31	A6
TL31*	A6
TL38	B6
TL41	B11
TL41*	B11
TL51	B6
TL51	C5
TL51*	D6

TL52	D5
TL52*	D6
TL53	E6
TL53*	E6
TL61*	F7
TP16	A2
TP16*	A1
TP22	C1
TP22*	C1
TP40*	F3
TP40	F3
TP48*	A0
TP60	E4
TP60*	E4
TP61	F4
TP61*	F4
TP70	H5
TP91*	G5
TP96*	F5
TR01*	J0
TR02*	H3
TS20*	N8
TS81*	N6
TS90*	N6
TT01*	M0
TV62	L4
TX01*	J10
TX10	L11
TX10*	M11
TX30	P10
TX30*	Q10
TX31*	P11
TX55*	K1
TX56*	J1
TY62*	L4

MICROPROCESSOR / POWER SUPPLY - MICROPROCESSEUR / ALIMENTATION - MIKROPROZESSOR / NETZTEIL - MICROPROCESSORE / ALIMENTAZIONE - MICROPROCESADOR / ALIMENTACION



	CR39	CR40	RR07	RR15	RR30
CLX 2150. 00/40 (Stereo)	–	–	–	–	–
CLX 2110. 00 (Mono)	1n	1n	3k3	220R	56k

Selected input	AVE1	AVE2
Scart 1	0	0
Scart 2	0	1
Tuner	1	0

	RR40	RR70	RR71
Tube 4:3	–	–	10k
Tube 16:9	6k8	10k	–

	PSX 2111(Mono)	PSX 2151(Stereo)
DP55	1N4001	BYV10-20
DP82	1N4148	—
RP82/83	150R/0.25W	—
TP82	BC337-40	—
CP80/81	—	10u
IP80	—	7805

Note :
Power Supply primary circuit measurements.
- Use only (PGND) connection point.

Attention :
Mesure dans le bloc alimentation
- Utiliser la masse du bloc alimentation (PGND).

Achtung :
Bei Messungen im Primärnetzteil
- Primärnetzteilmasse verwenden (PGND).

Attentionze :
misure nell'alimentatore primario
- usare massa alimentazione primario (PGND).

Cuidado :
Medida en el bloque de alimentacion
- Utilizar la masa del bloque de alimentacion (PGND).

TX92F

First issue 10 / 96

COMPLETE PCB DIAGRAM - SCHEMA PLATINE PRINCIPALE EQUIPEE - SCHALTUNG LEITERPLATTE KPL - SCHEMA PIASTRA COMPLETA - ESQUEMA PLATINA EQUIPADA (STEREO)

MAIN

NH01 AGC

IH01 MC7805-CT

TI10 BCR148

FI01 40,4MHz

FI02 31,9MHz

FI10 38,9MHz

FI20 OFWK9354M

FI30 77,8MHz

FI40 6,6MHz

II50 TDA9811/V3

STANDARD BG / L / DK			
	LOGIC	TRAP	L1
BG	5V8	1	0
L	0	0	0
DK	5,6V	0	0

(R) TUNER IF PART
RFX 2156.00 IF for standard BG/L/DK
(For standard BG : RFX 2151 p. 19-20)

1,5V 2,5Vpp-H PAL

1,5V 2,5Vpp-H SECAM

(A) AUDIO PART
AUX 2151.10 / 2171.10

		I540	CS40	CS
AUX 2151.10	BG-Stereo	MSP3480C	1p	1
AUX 2171.10	BG-Stereo + NICAM	MSP3410B	3p3	3

	BS90	JS59	JS68
frontconnector	X	–	–
no frontconnector	–	X	X

	IT01	
VTX 2101 00	SAA52812P-E	EU
VTX 2102 00	SAA52812P-H	EUcast
VTX 2103 00	SAA52812P-T	Turkey

IT01* SAA5281 2P-E/H/T

(VTX) TELETEXT PART
VTX 2101.00
VTX 2102.00
VTX 2103.00

3,5V 1,5Vpp-H PAL

3,5V 2,5Vpp-H SECAM

IV01 STV2118A / STV2112 TV PROCESSOR

ID01 TDA4665

(V) VIDEO CHROMA PART
VCX 2133.10
VCX 2124.10
VCX 2122.10

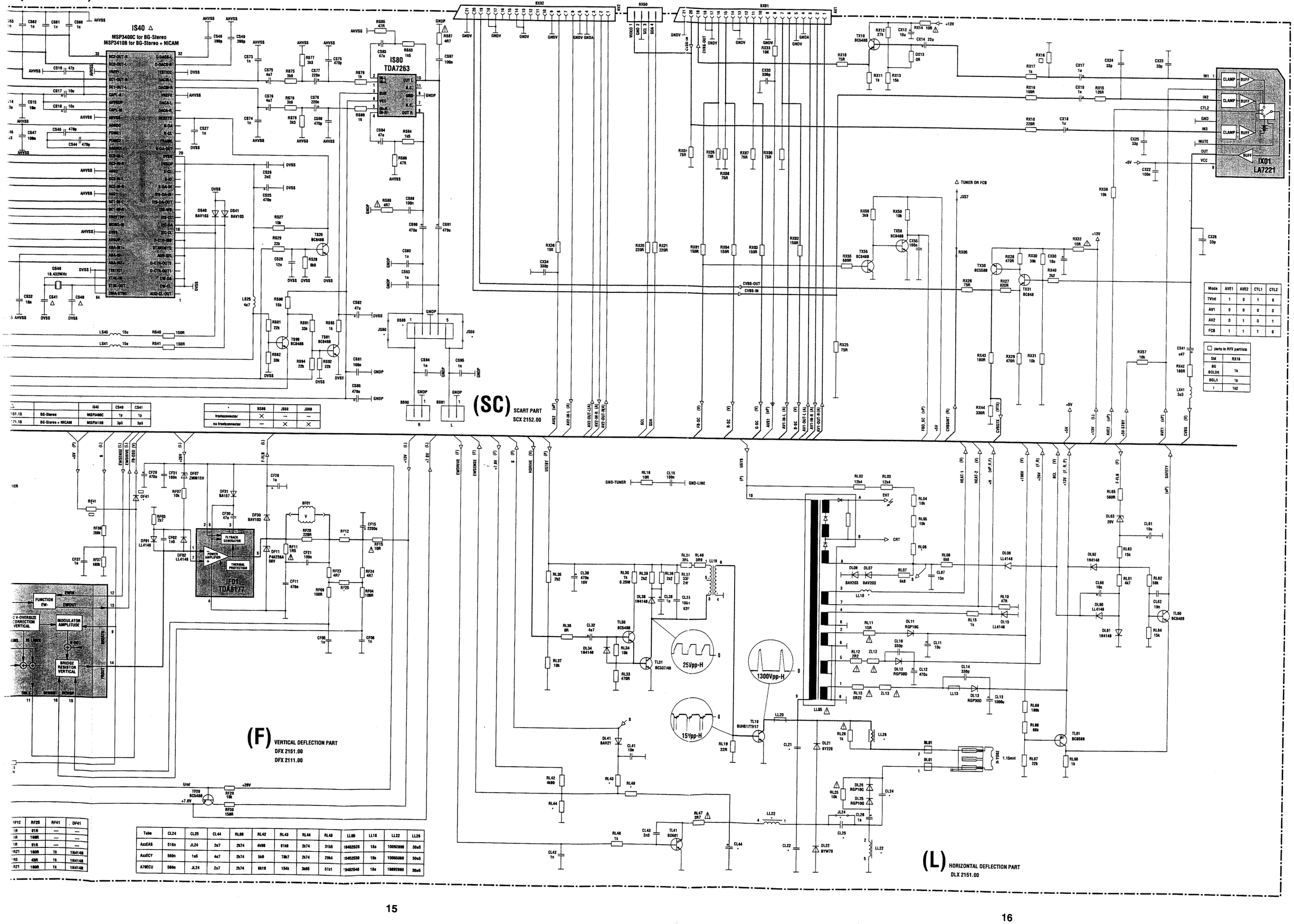
	IV01	QC02	CC01
VCX 2122.10	STV2112	-	X
VCX 2124.10	STV2116	X	-
VCX 2133.10	STV2118A1	X	X

X = Inserted
- = Not inserted

IF02 STV2145

Tubes	RF12	RF25	RF41	DF41
AzzEA8	1R	91R	—	—
AzzECY	1R	180R	—	—
A79ECU	1R	91R	—	—
W56ESV	1R21	180R	1k	1N4148
W66EDX	1R5	43R	1k	1N4148
W76ESC	1R21	180R	1k	1N4148

(STEREO)



		IS40	CS40	CS41
181.10	BG-Stereo	MSP3400C	1p	1p
171.10	BG-Stereo + NICAM	MSP3410B	3p3	3p3

	BS88	JS59	JS60
frontconnector	X	—	—
no frontconnector	—	X	X

Mode	AVE1	AVE2	CTL1	CTL2
TVint	1	0	1	0
AV1	0	0	0	0
AV2	0	1	0	1
FCB	1	1	1	0

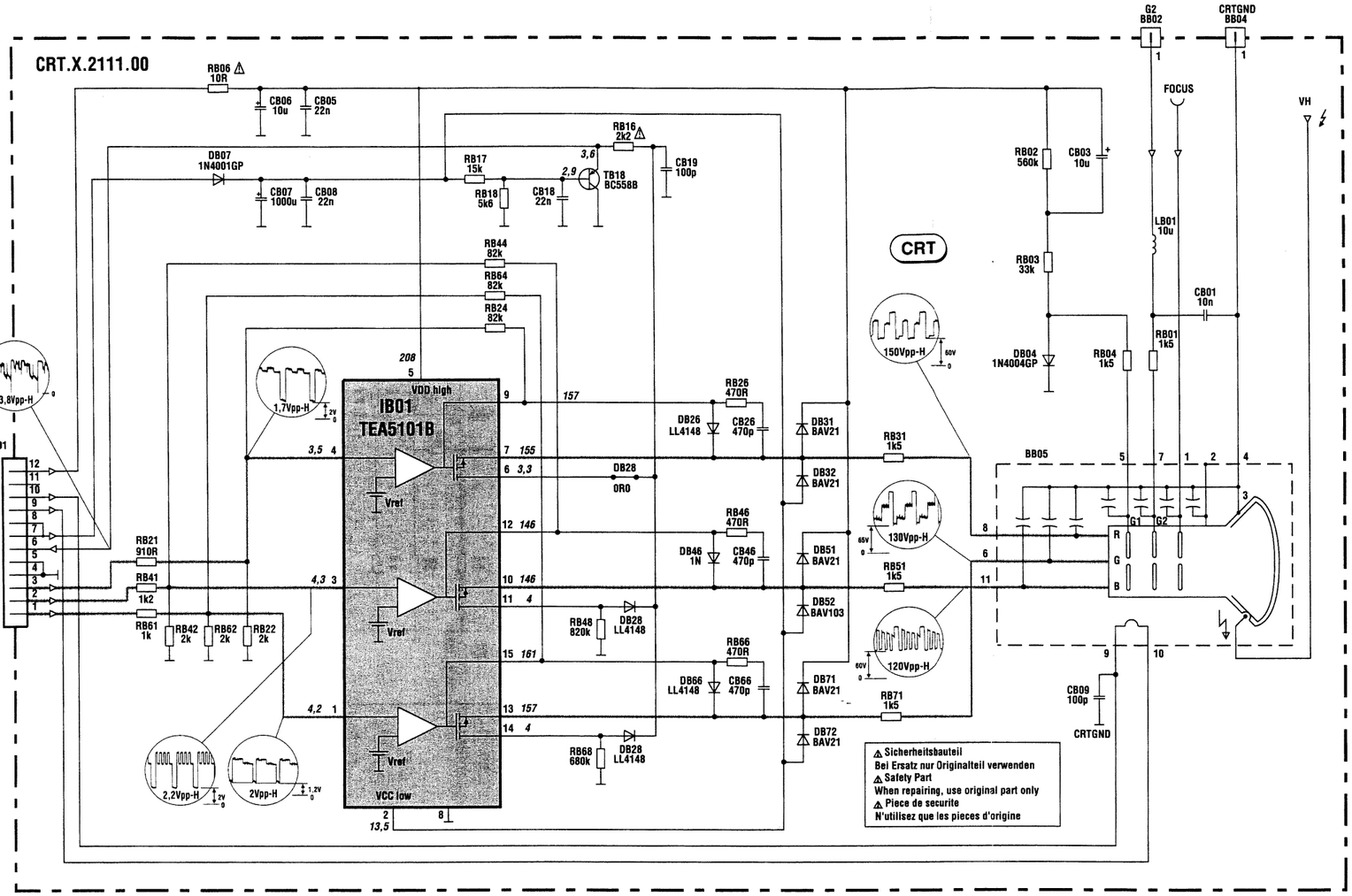
□ parts in RFX partlists

Std	RX16
BG BGLDK	1k
BGL/1	1k
I	1k2

	RF28	RF41	DF41
RP12	RF28	RF41	DF41
1R	91R	—	—
1R	160R	—	—
1R	91R	—	—
R21	160R	1k	1N4148
R5	43R	1k	1N4148
R21	160R	1k	1N4148

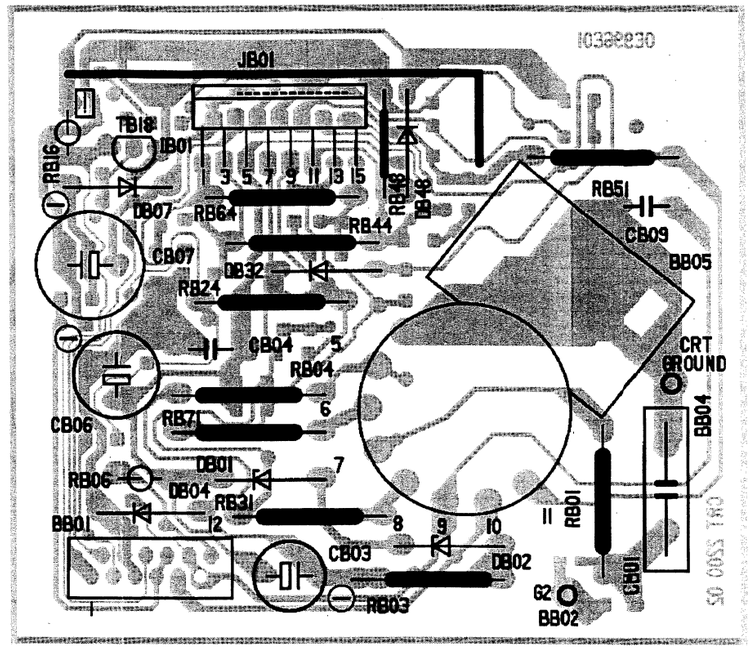
Tabe	CL24	CL25	CL44	RL06	RL42	RL43	RL44	RL48	LL05	LL10	LL22	LL26
AxxEAS	510n	JL24	2u7	2k74	4k99	61k9	2k74	31k6	10462520	18u	10092890	30u5
AxxECY	560n	1n5	4u7	2k74	5k9	78k7	2k74	29k4	10462530	18u	10095060	30u5
A79ECU	560n	JL24	2u7	2k74	6k19	154k	3k65	51k1	10462540	18u	10092890	30u5

VIDEO AMPLIFIER - AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKER - AMPLIFICATORE VIDEO - AMPLIFICADOR VIDEO

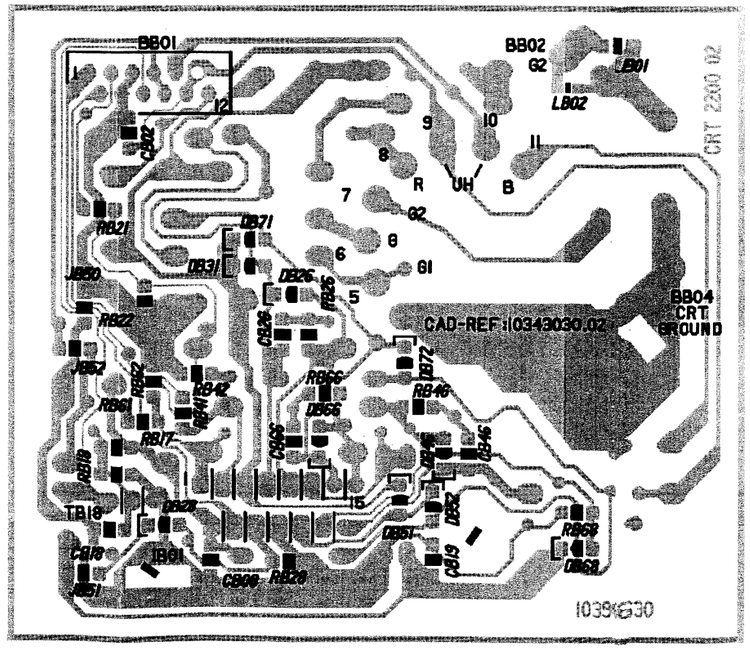


VIDEO AMPLIFIER BOARD - PLATINE AMPLIFICATEURS VIDEO - VIDEOVERSTÄRKERPLATTE - PIASTRA AMPLIFICATORE VIDEO - PLATINA AMPLIFICADOR VIDEO

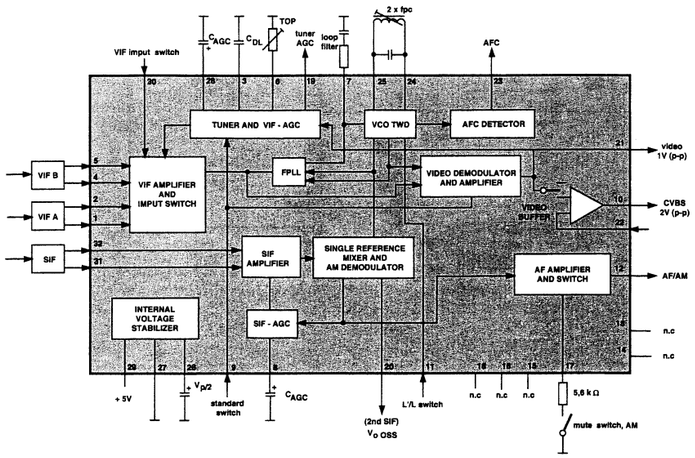
COMPONENT SIDE - CÔTE COMPOSANTS - BESTÜCKUNGSSEITE - LATO COMPONENTI - LADO COMPONENTES



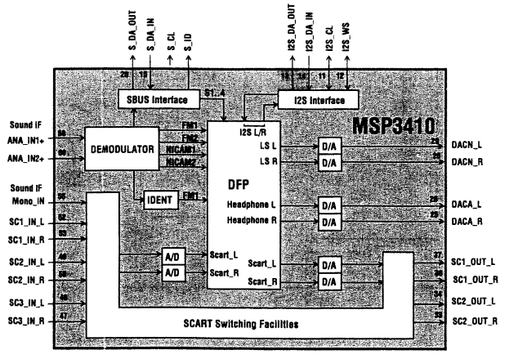
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE - LATO SALDATURE - LADO SOLDA



TDA9811 BLOCK DIAGRAM
MULTISTANDARD VIF - PLL WITH QSS-IF AND AM DEMODULATOR

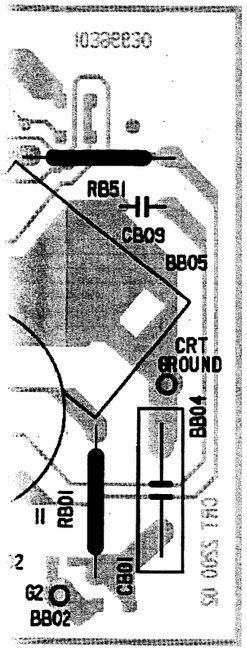


MSP3400 / MSP3410 BLOCK DIAGRAM
SOUNDPROCESSOR

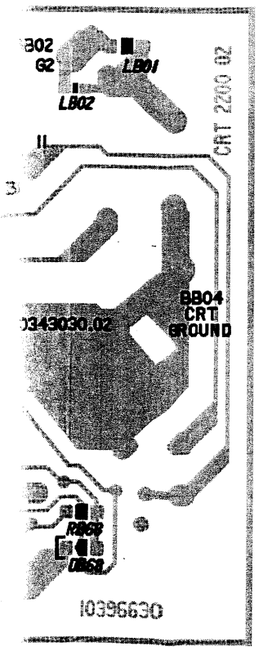


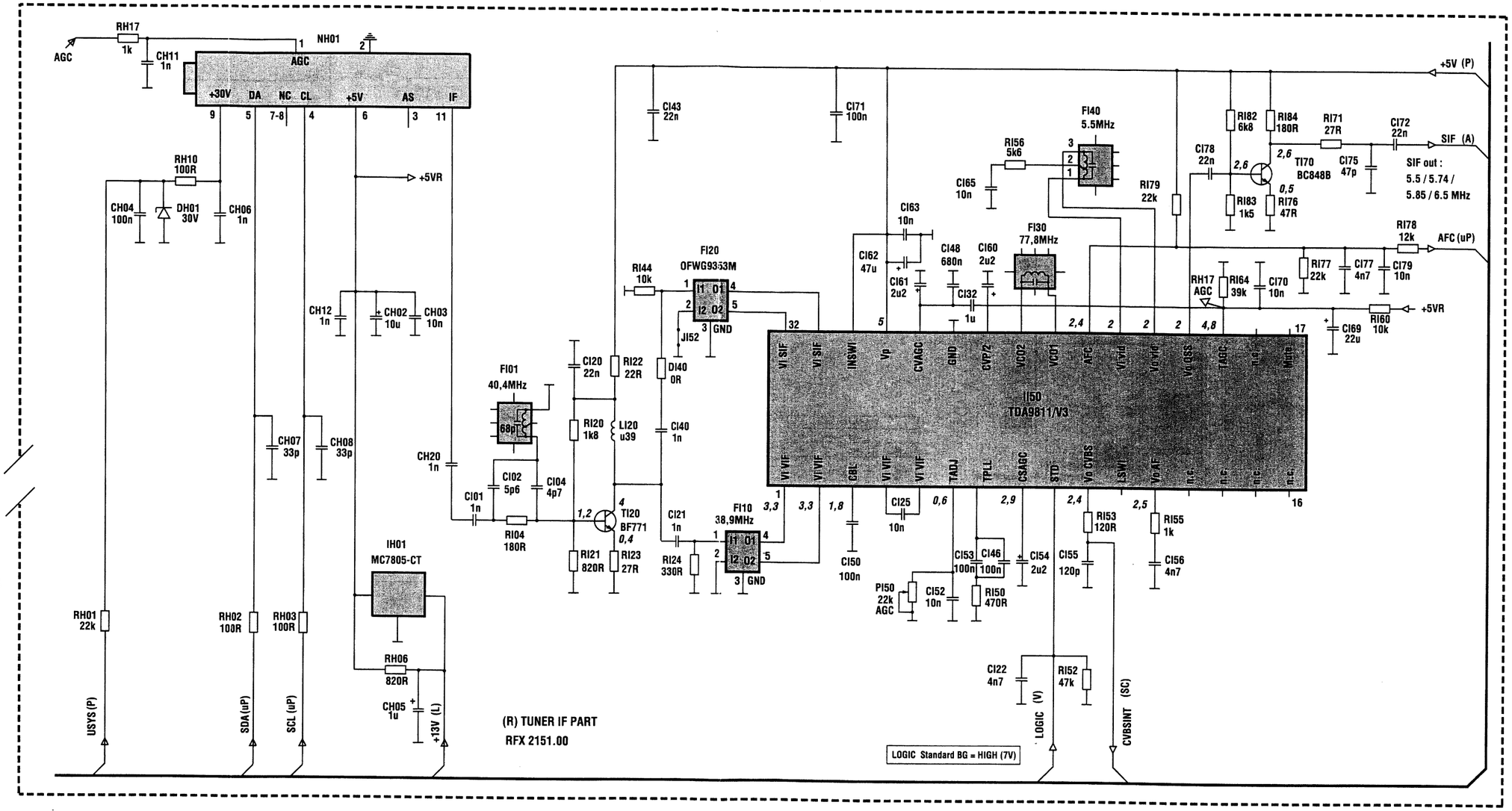
RFX 2151.00 - TUNER IF PART I/O FOR STANDARD BG (Stereo)

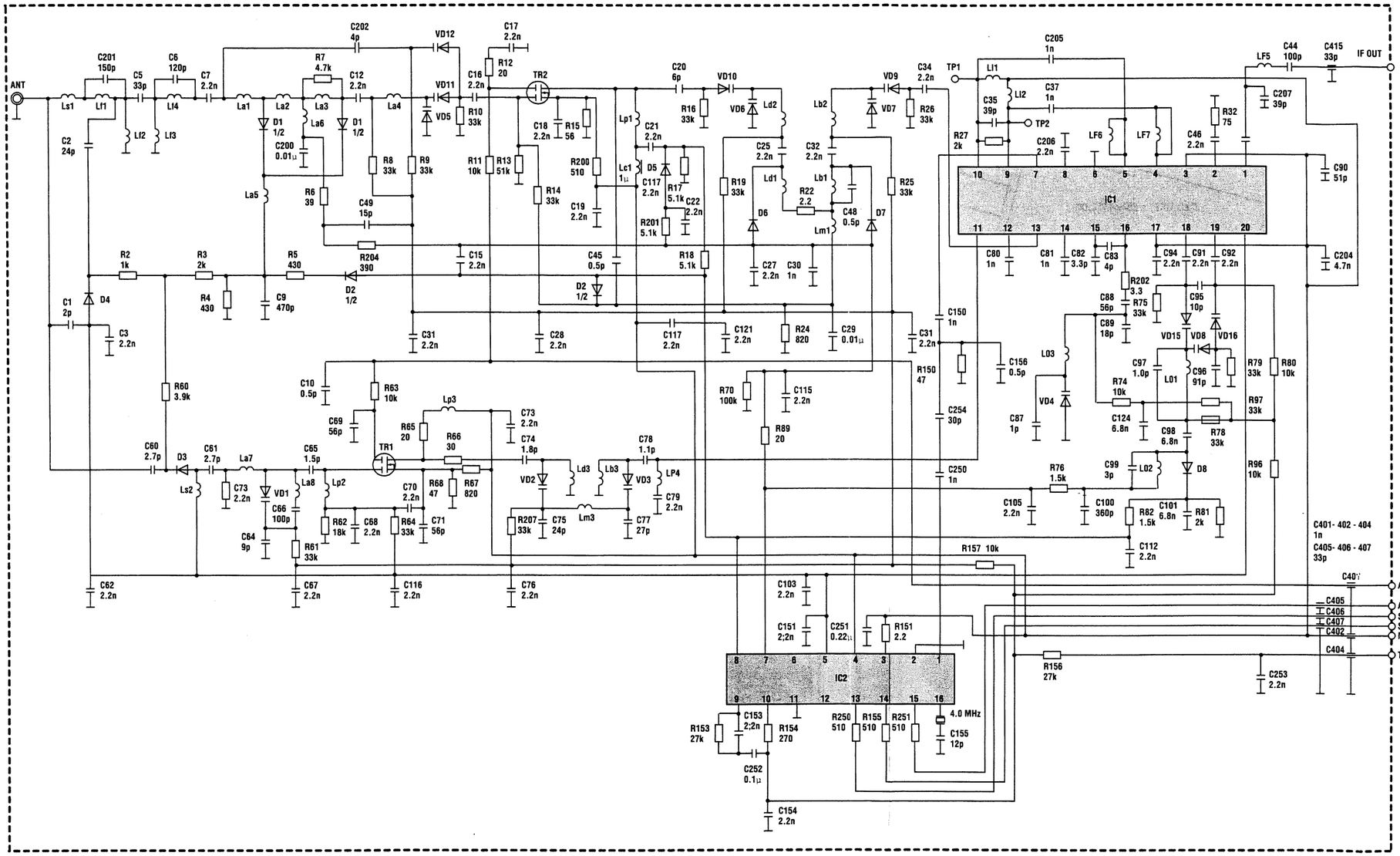
STÜCKUNGSSEITE -
NENTES

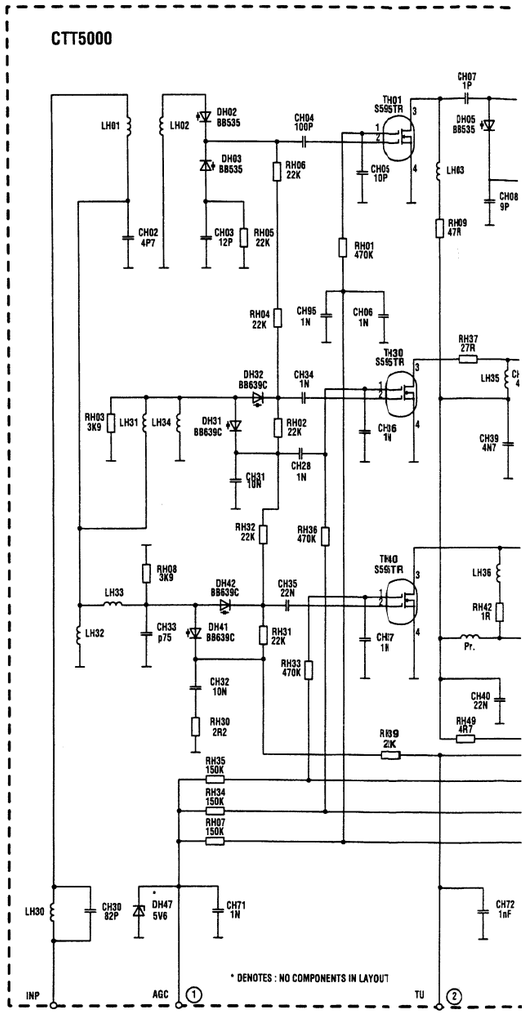


DATURE - LADO SOLDADURAS

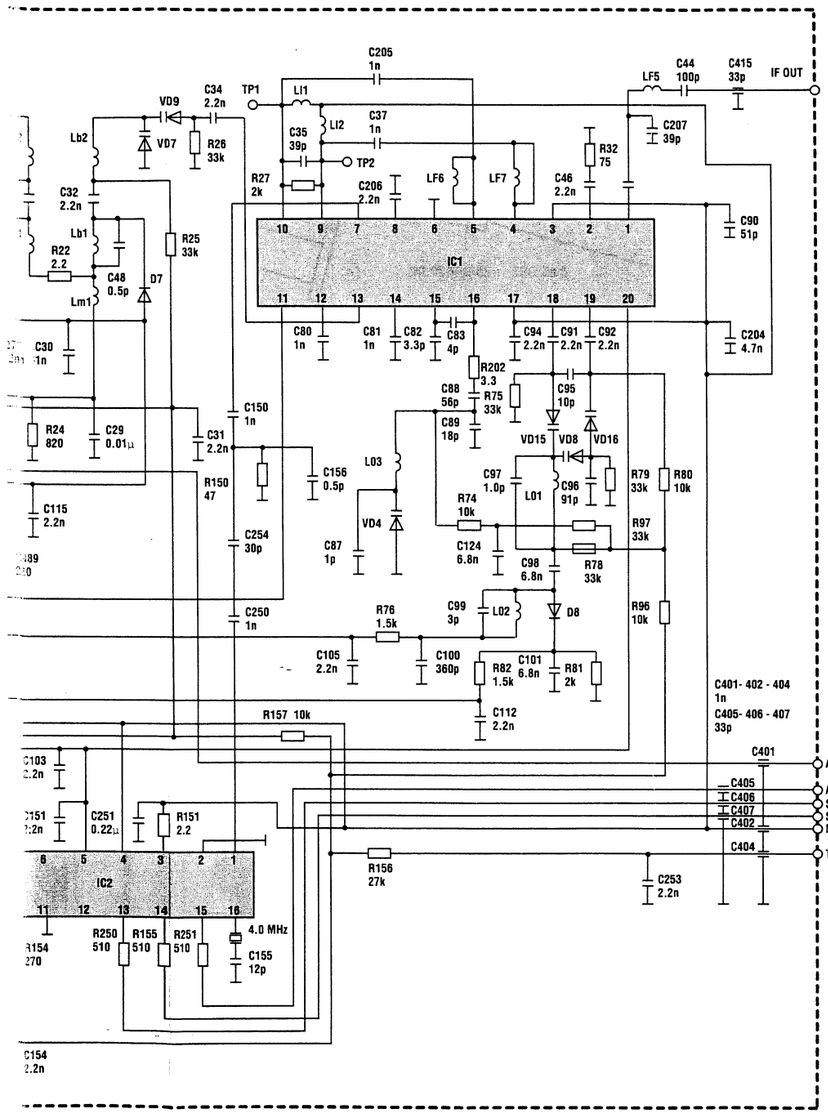


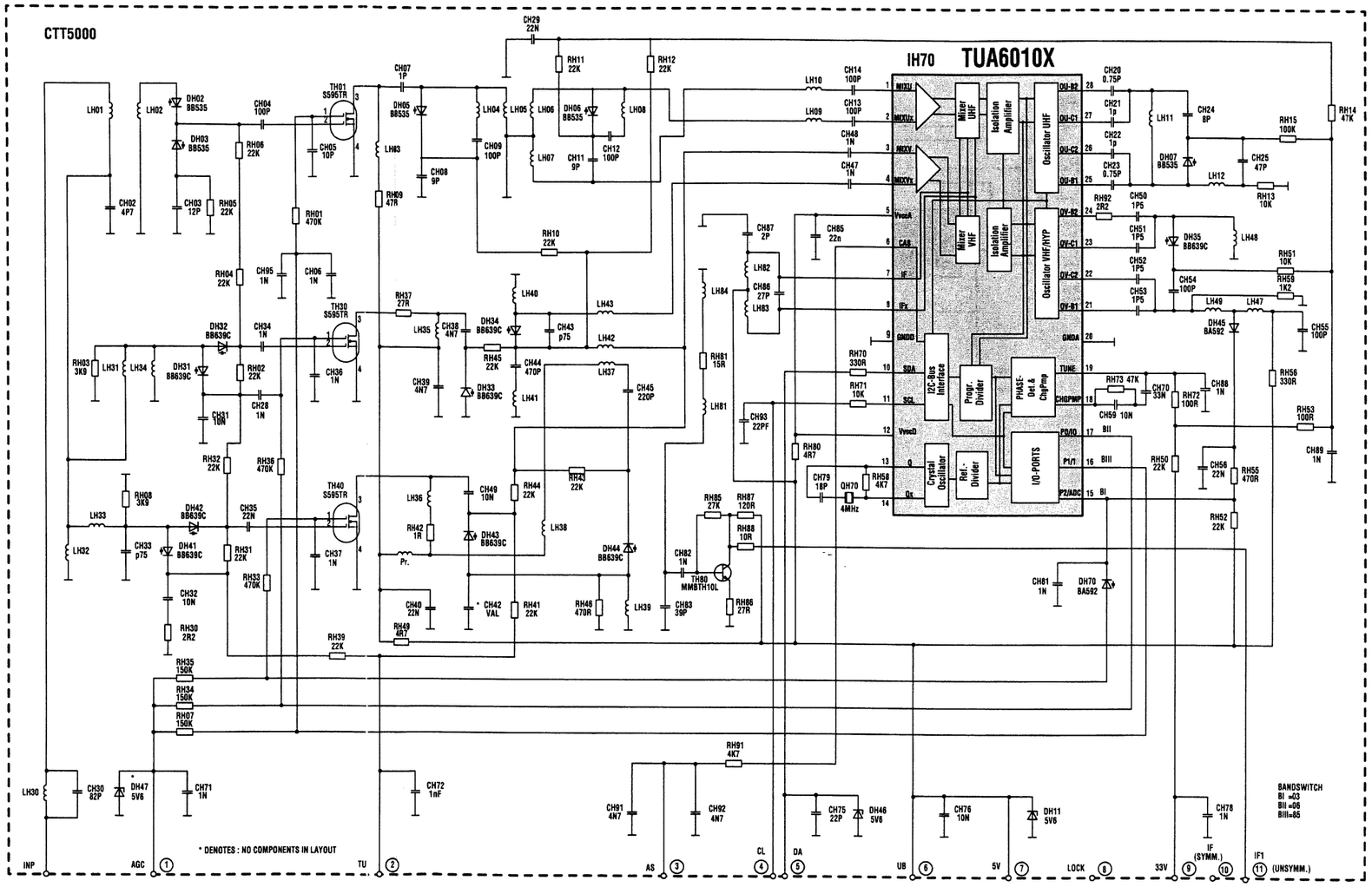



ANT
IF OUT
TP1
TP2
TR1
TR2
IC1
IC2
4.0 MHz
C401- 402 - 404 1n
C405- 406 - 407 33p
AGC
AS
SCL
SDA
MB
TV2

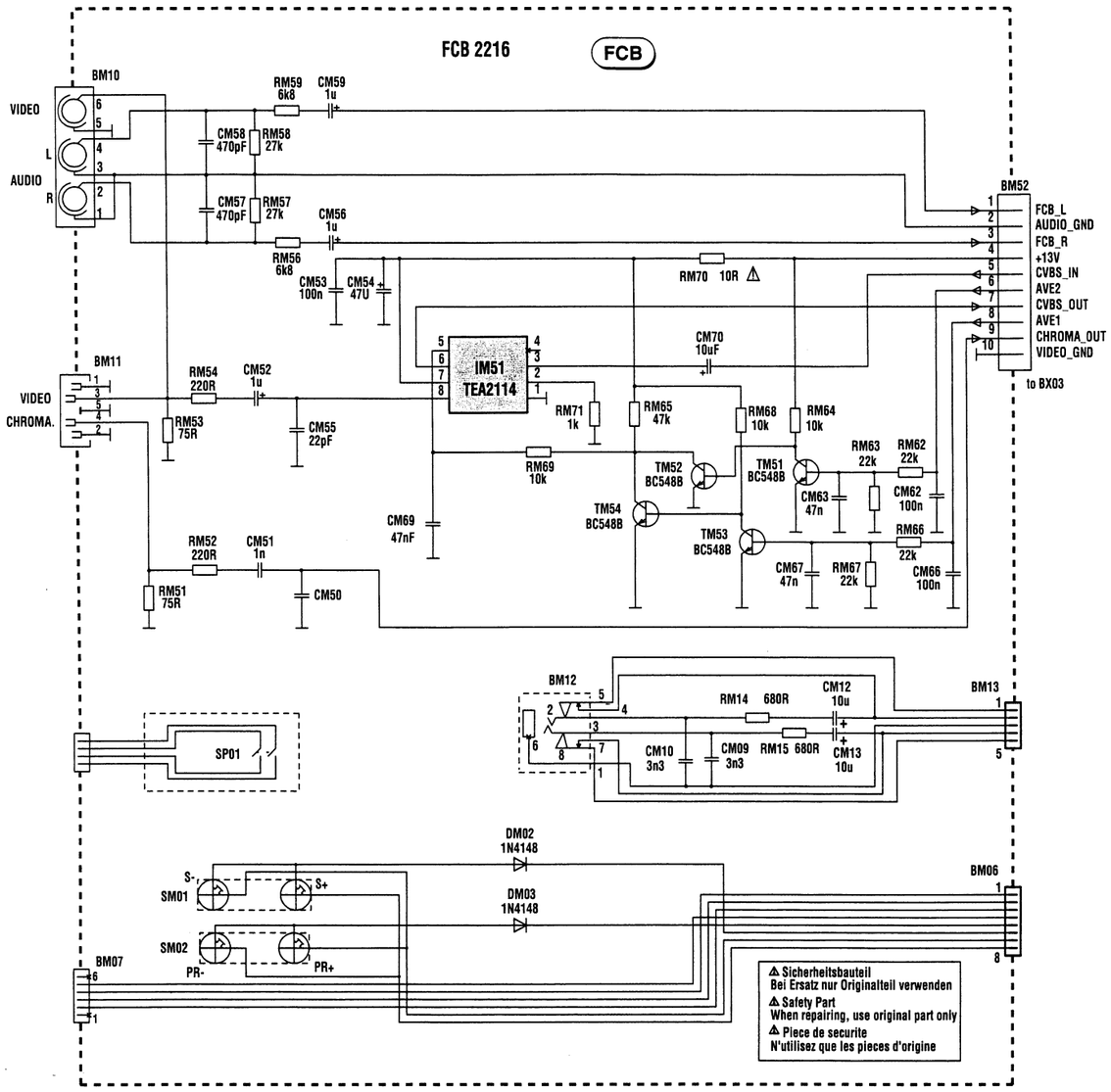

CTT5000
* DENOTES : NO COMPONENTS IN LAYOUT
INP
AGC
TU

VHF / UHF TUNER CTT5000 (For information only)

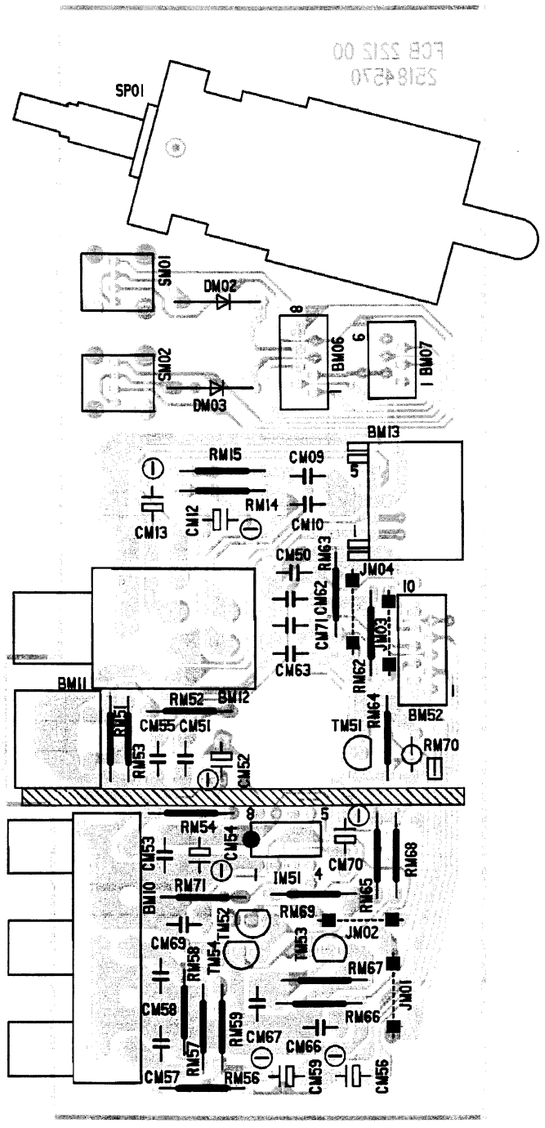




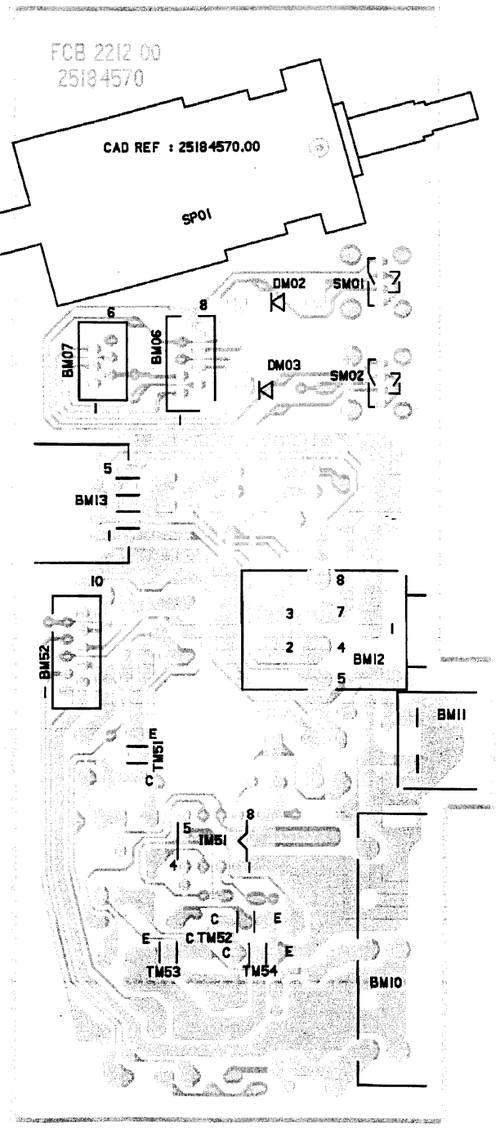
FRONT CONNECTOR BOARD - MODULE PRISE EN FACADE ET INTERCONNEXION DU CLAVIER - FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONT



COMPONENT SIDE - COTE COMPOSANTS -
BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE -
LATO SALDATURE - LADO SOLDADURAS



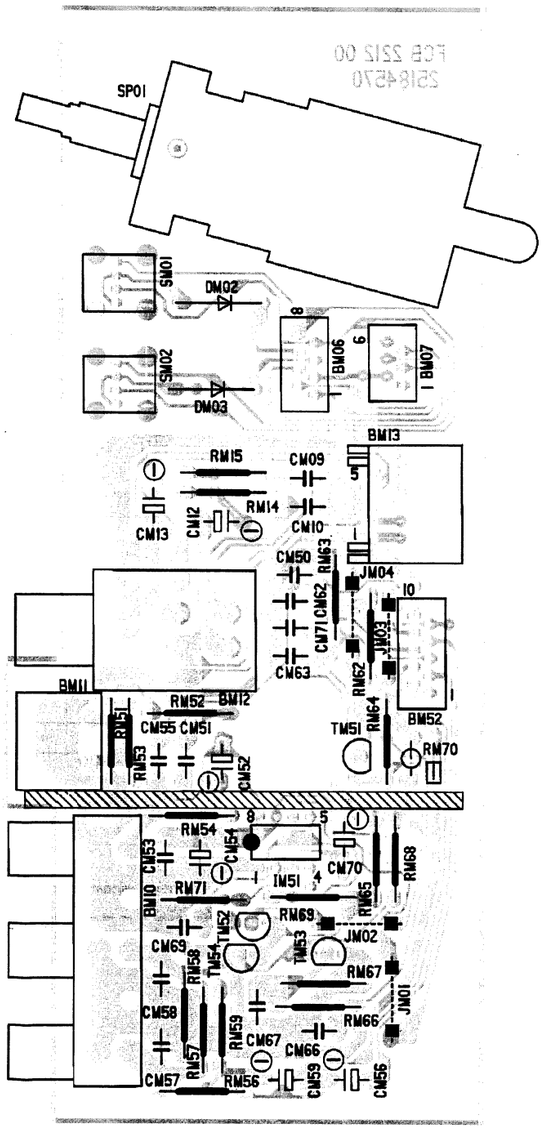
COMPONI

LATO COM

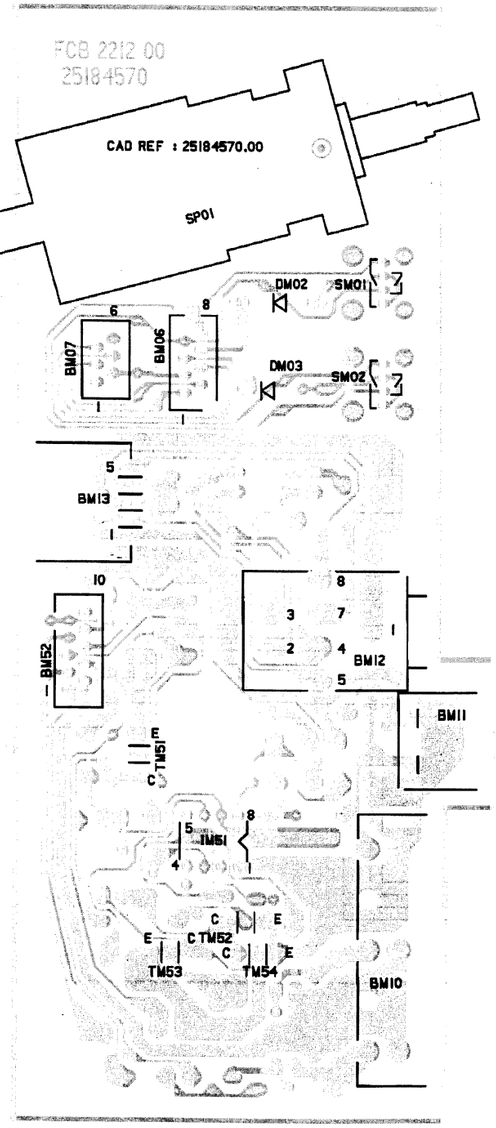
ON DU CLAVIER - FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL

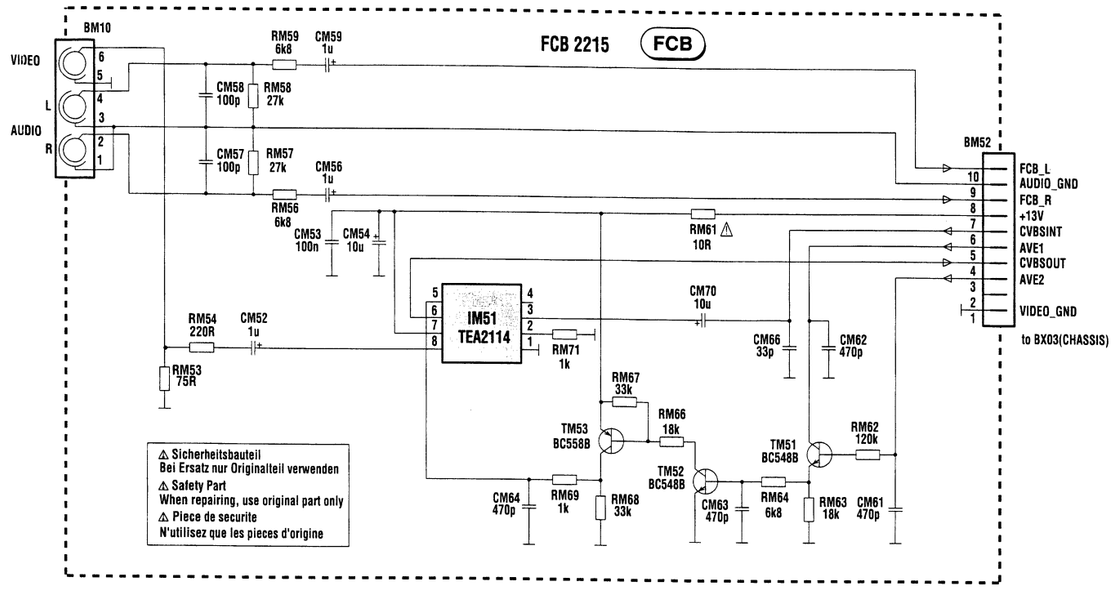
M52
FCB_L
AUDIO_GND
FCB_R
+13V
CVBS_IN
AVE2
CVBS_OUT
AVE1
CHROMA_OUT
VIDEO_GND
to BX03

COMPONENT SIDE - COTE COMPOSANTS -
BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES

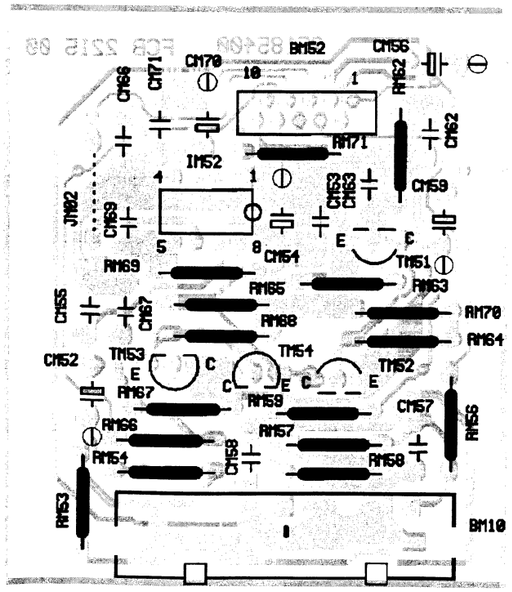


SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE -
LATO SALDATURE - LADO SOLDADURAS

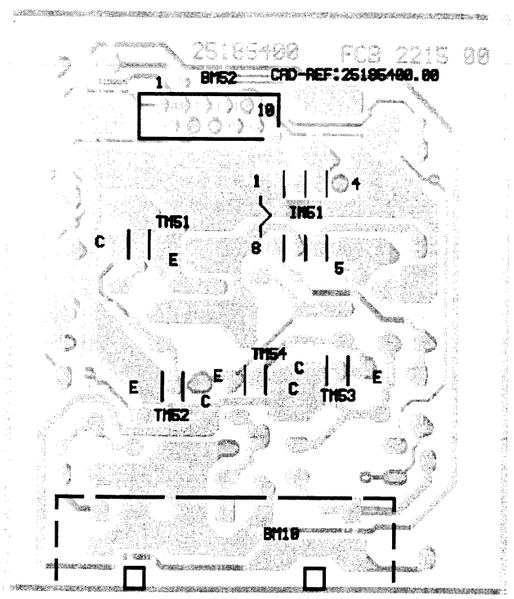




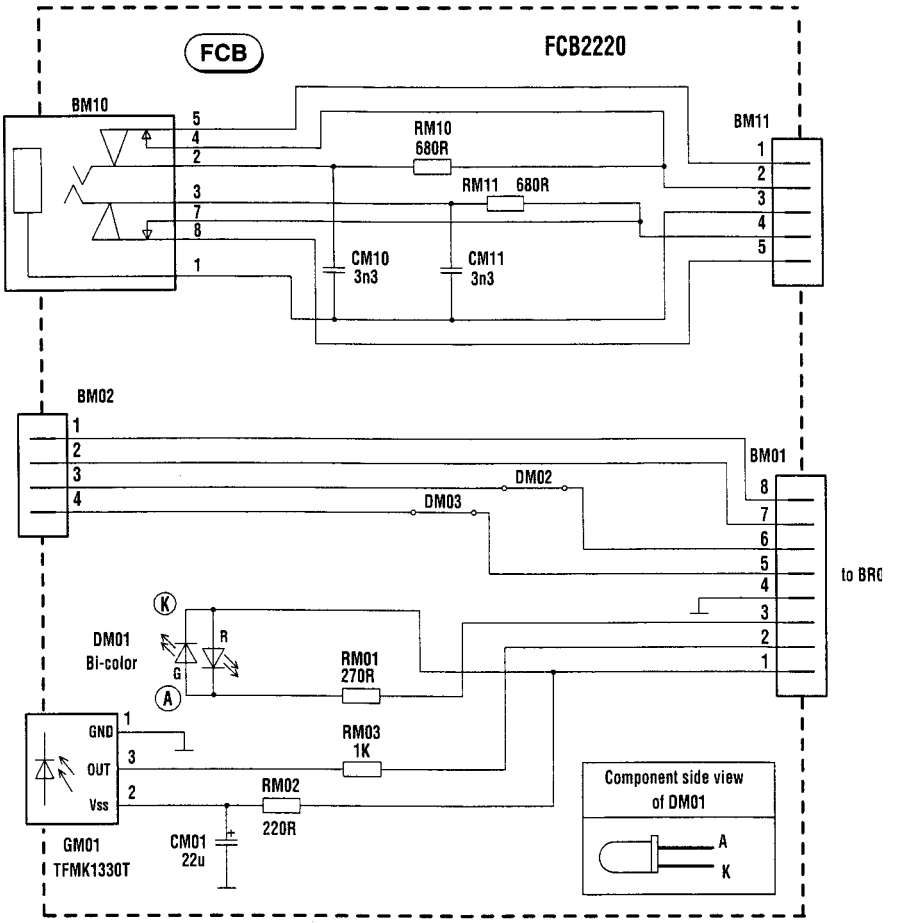
COMPONENT SIDE - COTE COMPOSANTS -
BESTÜCKUNGSSEITE -
LATO COMPONENTI - LADO COMPONENTES



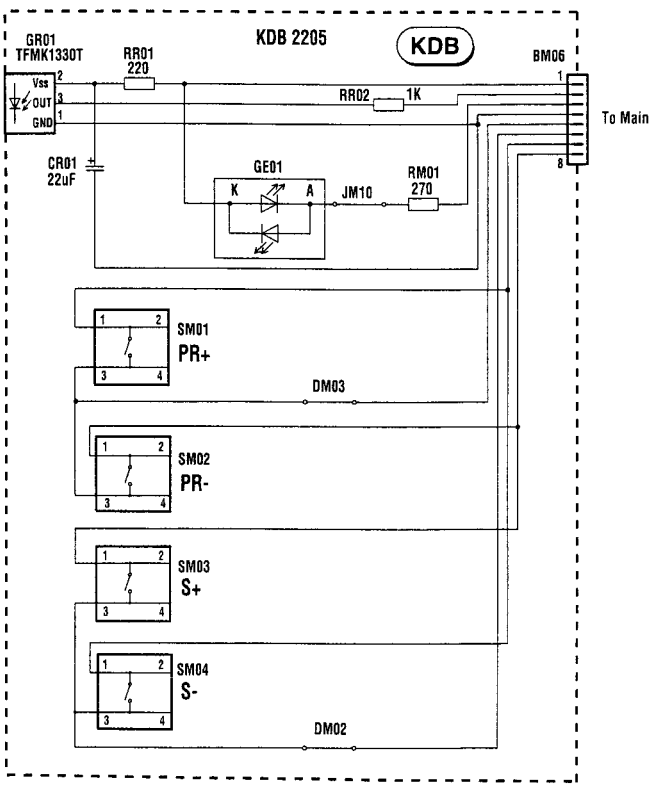
SOLDER SIDE - CÔTE SOUDURES - LÖTSEITE -
LATO SALDATURE - LADO SOLDADURAS



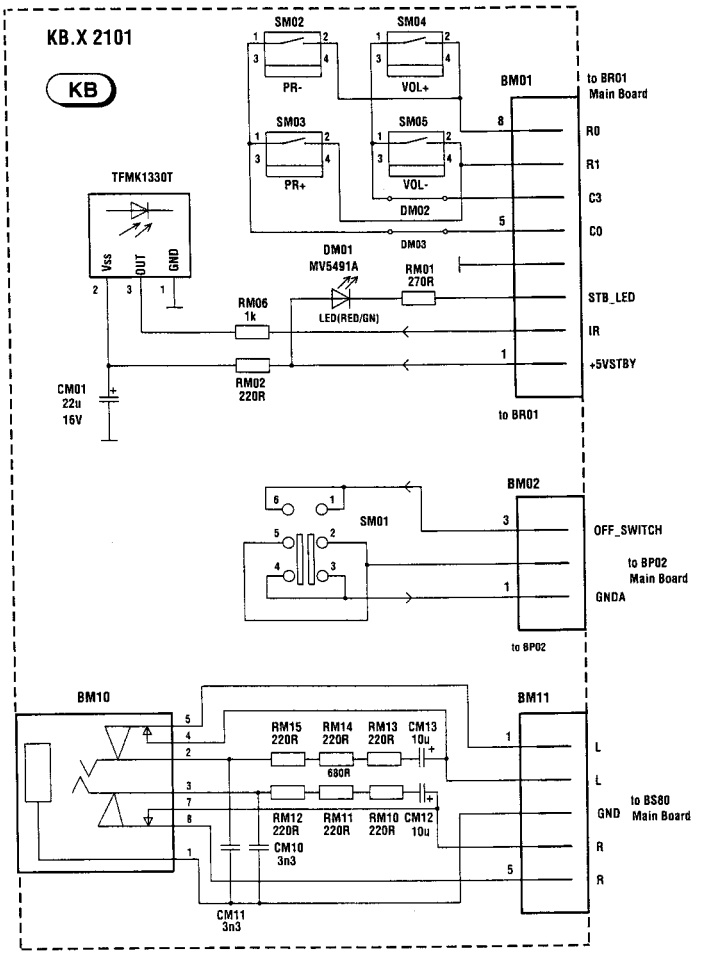
FRONT CONNECTOR BOARD - PRISES EN FACADE ET INTERCONNEXION DU CLAVIER - FRONT ANSCHLUSSPLATTE - PIASTRA CONNESSIONE FRONTALE - PLÁTINA MANDOS FRONTAL

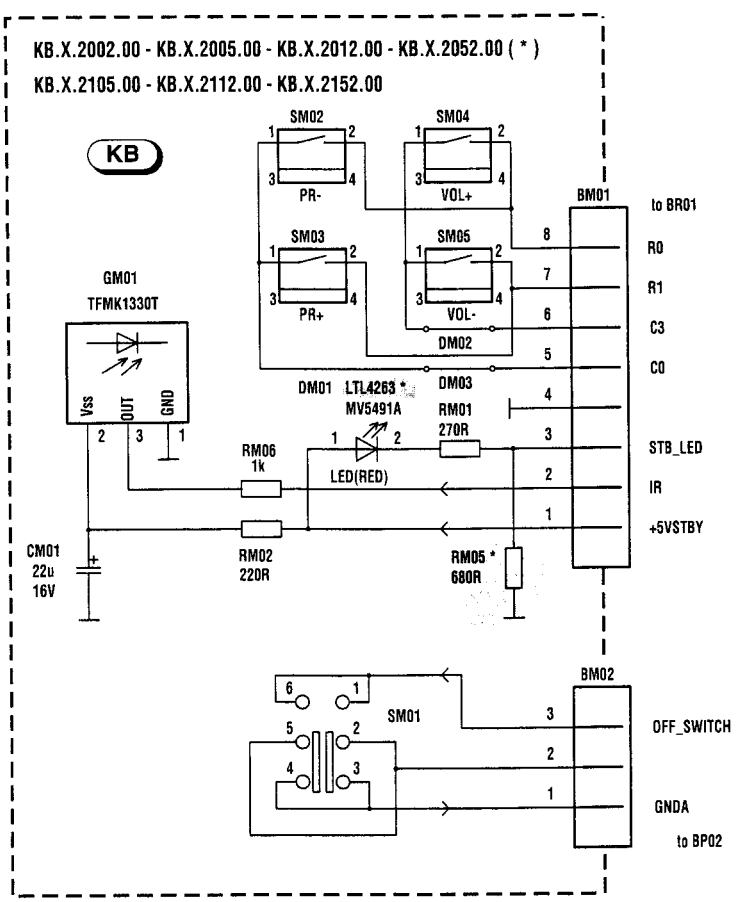


KEYBOARD MODULE - PLATINE CLAVIER -BEDIENTEILPLATTE - PIASTRA COMANDI - PLATINA TECLADO

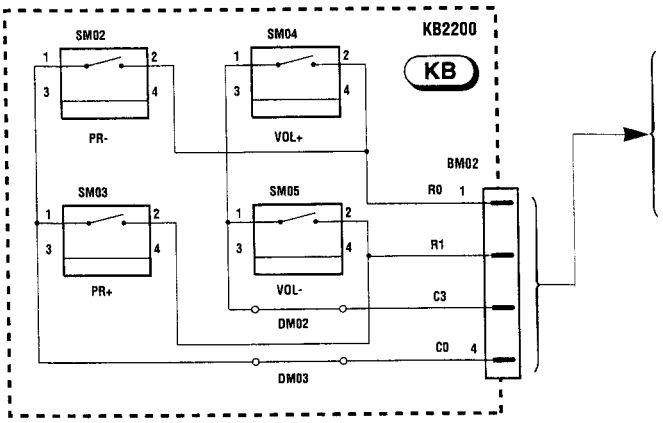


KEYBOARD MODULE - PLATINE CLAVIER -BEDIENTEILPLATTE - PIASTRA COMANDI - PLATINA TECLADO

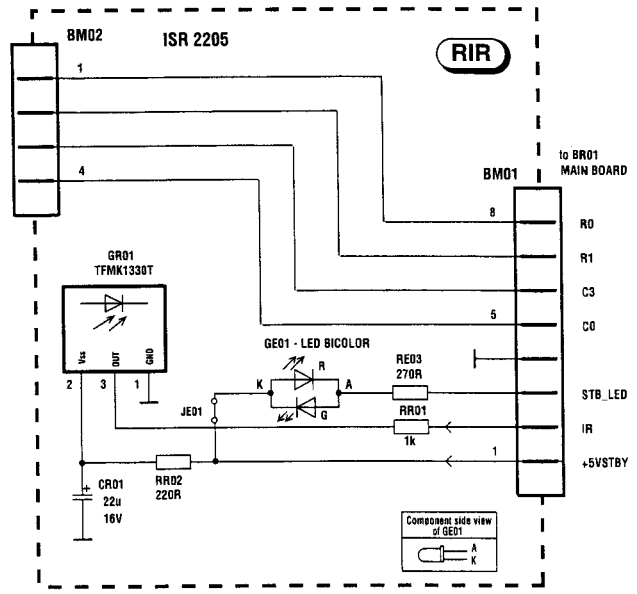




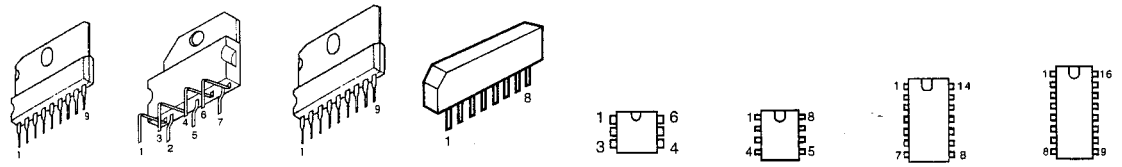
KEYBOARD MODULE - PLATINE CLAVIER - BEDIENTEILPLATTE PIASTRA COMANDI - PLATINA TECLADO



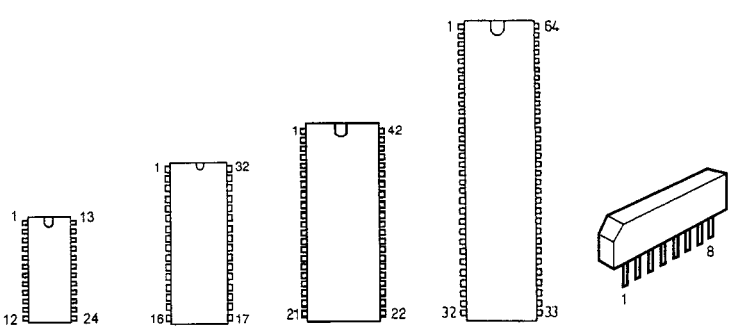
INFRARED RECEIVER MODULE - RECEPTEUR INFRAROUGE - INFRAROTEMPFÄNGER-PLATTE - PIASTRA RICEVITORE INFRAROSSI - PLATINA INFRAROT



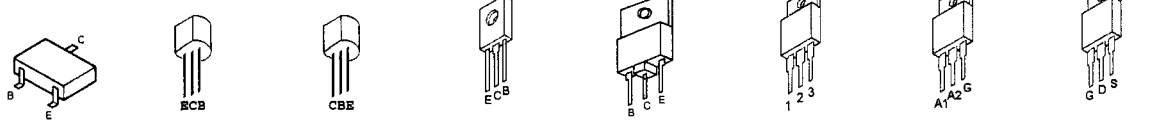
INTEGRATED CIRCUITS AND TRANSISTORS OUTLINE - CIRCUITS INTEGRES ET TRANSISTORS INTEGRIERTE SCHALTUNGEN UND TRANSISTOREN - CIRCUITI INTEGRATI TRANSISTOR CIRCUITOS INTEGRADOS Y TRANSISTORES



TDA 8139 | TDA 8177 | TEA 5101B | SDA 9187 SDA 9188 | 4N25TV | TDA4605 ST24C04-B1 | STV2180 | STV2145



TDA 7263 | TDA9811 | TDA9811 | MPS3400 MPS3410 | LA7221



BC 847B BC 858 B/C BC 848 A/B/C BF 771 | BF 422 BF423 | BC 337 BC 548B BC 558B | BP 681 | BUH 517 TH | 7805 7812 | BT806 -600C | STP6 NA60F1

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		CHASSIS TX92F		
		MOD./AUSTAUSCHTEILE:	**EXCHANGE PARTS:**	**ECHANGE PLATINE:**
TUNER	103.671.20	TELE9-X009A TUNER HYPERBAND	TELE9-X009A TUNER	TELE9-X009A TUNER
CRT	103.985.90	CRTX2111 BILDROHRANSCHLUSS	CRT2111 PCB CRT	CRT2111 PL TUBE CATHODIQUE

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
		CHASSIS-TEILE	**CHASSIS PARTS**	**CHASSIS-PARTIE**
BB01	671.383.10	Stiftleiste 12polig MICS 12 SW	Contact strip 12-pole black	Connecteur male 12 broches
BB04	103.708.40	Kabel mit Massefeder	Wire with earth spring	Cable Ressort de masse
BB05	802.988.00	Bildrohrfassung 10polig	Cathode ray tube socket	Support tube cathodique
BL01A	102.381.10	Halter Netzleitung auf LTP.	Holder	Support
BM01	671.381.10	Stiftleiste 8polig MICS08 SW	8 pin wafer black	Barrette de contact 8 noir
BP01A	102.381.10	Halter Netzleitung auf LTP.	Holder	Support
BP02	905.819.40	Stiftleiste 3polig US stehend	3 pin contact housing	Culot a 3 broches
BR01	671.381.10	Stiftleiste 8polig MICS08 SW	8 pin wafer black	Barrette de contact 8 noir
BS80	604.307.76	Stiftleiste 5polig stehend	Contact strip 5-pole	Connecteur male 5 broches
BS90	309.599.90	Stiftleiste 2polig US rot stehend	2 pin contact housing red	Culot a 2 broches rouge
BS91	110.955.70	Stiftleiste 2polig US grün stehend	2 pin contact housing green	Culot a 2 broches vert
BV01	103.458.80	Leitung mit Stecker 12polig 380mm	Cable with socket 12-pole 380mm	Cable avec fiche 12-polaire 380mm
BV01	508.564.50	Leitung mit Stecker 12polig 500mm vom Chassis auf FCB	Cable with socket 12-pole	Cable avec fiche 12-pol.
BV01	671.383.10	Stiftleiste 12polig MICS 12 SW	Contact strip 12-pole black	Connecteur male 12 broches
BX01	906.172.60	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX02	906.172.60	Buchse Euro AV (SCART)	Scart socket	Prise femelle peritelevision
BX03	671.382.10	Stiftleiste 10polig schwarz	Contact strip 10-pole black	Connecteur male 10 broches
BX50	671.860.11	Stiftleiste 4polig liegend	Contact strip 4-pole	Connecteur male 4 broches
CB01	140.364.50	10N 3KV Keramik-Kondensator	10N 3KV C cap	10N 3KV C ceramique
CB03	130.394.30	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CB06	130.394.30	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CB09	140.352.80	100PF 1KV 20% Keramik-Kondensator	100PF 1KV 20% C cap	100PF 1kV 20% C ceramique
CL07	140.358.70	10NF 400V 5% Kondensator	10NF 400V 5% Capacitor	10NF 400V 5% Condensateur
CL10	140.352.70	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kV 10% CC
CL11	130.394.30	10UF 250V 20% Elko	10UF 250V 20% E cap	10UF 250V 20% CC
CL14	140.352.70	330PF 1KV 10% Keramik-Kondensator	330PF 1KV 10% C cap	330PF 1kV 10% CC
CL21	100.427.50	14,4N 1K6V 3,5% Filmkondensator	14,4N 1K6V 3,5% Film cap	14,4N 1K6V 3,5% Condensateur
CL21	103.491.50	13,5N 1,6KV 3,5% Filmkondensator	13,5N 1,6KV 3,5% Film cap	13,5N 1,6KV 3,5% Condensateur
CL21	103.491.60	16N2F 1K6V 3,5% Filmkondensator	16N2F 1K6V 3,5% Film cap	16N2F 1K6V 3,5% Condensateur
CL22	102.420.70	30NF 400V 5% Filmkondensator	30NF 400V 5% Film cap	30NF 400V 5% Condensateur
CL22	102.635.40	27N 400V 5% Filmkondensator	27N 400V 5% Film cap	27N 400V 5% Condensateur
CL24	100.779.60	510N 250V 5% Filmkondensator	510N 250V 5% Film cap	510N 250V 5% Condensateur film
CL24	103.763.60	560N0F 250V 5% Filmkondensator	560N0F 250V 5% Film cap	560N0F 250V 5% Condensateur
CL26	100.608.30	1U0F 250V 20% Elko	1U0F 250V 20% E cap	1U0F 250V 20% C chimique
CL44	101.611.70	2U7 100V 10% MP-Kondensator	2U7 100V 10% MPoly cap	2U7 100V 10% C MP
CP01	103.139.00	100NF 275V 20% MP-Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP02	103.139.00	100NF 275V 20% MP-Kondensator	0U1F 275V 20% MPoly cap	0U1F 275V 20% C MP
CP03	102.562.10	68NF 250V 20% MP-Kondensator	68NF 250V 20% MPoly cap	68NF 250V 20% C MP
CP07	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP08	203.387.40	1N5F 1KV 10% Keramik-Kondensator	1N5F 1KV 10% C cap	1N5F 1KV 10% C ceramique
CP09	100.971.70	4N7F 1KV Keramik-Kondensator	4N7F 1KV C cap	4N7F 1KV C ceramique
CP11	434.248.00	150UF 385V Elko	150UF 385V E cap	150UF 385V CC
CP13	434.029.00	1500PF 1KV Kondensator	1500PF 1KV Cap	1500PF 1KV Condensateur
CP21	140.342.40	330PF 400V 20% Keramikkondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP24	140.342.40	330PF 400V 20% Keramikkondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
CP49	431.068.00	1NF 400V 20% Keramik-Kondensator	1NF 400V 20% C cap	1NF 400V 20% C ceramique
CP51	100.993.90	470P0F 2KV Keramik-Kondensator	470P0F 2KV C cap	470P0F 2KV C ceramique

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
CP52	102.441.20	100UF 200V 20% Elko	100UF 200V 20% E cap	100UF 200V 20% CC
CP53	140.342.40	330PF 400V 20% Keramikkondensator	330PF 400V 20% C cap	330PF 400V 20% C ceramique
DB04	110.734.60	1N4004 Diode	1N4004 Diode	1N4004 Diode
DB07	160.081.60	1N4001 Diode	1N4001 Diode	1N4001 Diode
DB26	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB31	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DB31	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB32	440.444.07	BAV21 Diode	BAV21 Diode	BAV21 Diode
DB46	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB48	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB51	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DB51	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB52	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DB52	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB66	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB68	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DB71	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DB71	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DB72	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DB72	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DC01	804.441.40	ZPD5,1 Z-Diode	ZPD5,1 Z-Diode	ZPD5,1 Z-Diode
DF01	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DF02	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DF07	160.300.60	ZMM15 Z-Diode SMD	ZMM15 Z-Diode	ZMM15 Z-Diode
DF11	103.518.80	P4KE56A Z-Diode	P4KE56A Z-Diode	P4KE56A Z-Diode
DF30	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DF30	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DF31	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DH01	204.753.40	BZX55B30 Z-Diode	BZX55B30 Z-Diode	BZX55B30 Z-Diode
DI01	160.121.30	BA582 Diode SMD	BA582 Diode SMD	BA582 Diode SMD
DI51	160.121.30	BA582 Diode SMD	BA582 Diode SMD	BA582 Diode SMD
DL06	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DL06	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL07	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DL07	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DL08	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL11	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DL12	309.617.10	BY397 Diode	BY397 Diode	BY397 Diode
DL13	309.617.10	BY397 Diode	BY397 Diode	BY397 Diode
DL15	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL21	160.083.70	BY228 Diode	BY228 Diode	BY228 Diode
DL22	160.091.20	BYW76 Diode	BYW76 Diode	BYW76 Diode
DL25	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DL26	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DL34	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL38	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DL41	440.444.07	BAV21 Diode	BAV21 Diode	BAV21 Diode
DL60	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL61	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL62	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DL63	309.488.10	BZX55C20 Z-Diode	BZX55C20 Z-Diode	BZX55C20 Z-Diode
DM01	100.367.30	MV5491A LED-Diode rot/grün	MV5491A LED-Diode	MV5491A LED-Diode
DM01	404.805.50	Halter LED	LED holder	Support LED

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
DP06	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP07	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP08	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP09	102.661.30	M100M Diode	M100M Diode	M100M Diode
DP13	160.095.80	MUR160 Diode	MUR160 Diode	MUR160 Diode
DP17	204.754.20	ZPD15V Z-Diode	ZPD15V Z-Diode	ZPD15V Z-Diode
DP21	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP22	110.736.70	BZX55C11 Z-Diode	BZX55C11 Z-Diode	BZX55C11 Z-Diode
DP23	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP24	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP32	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP40	101.300.90	BA157 Diode	BA157 Diode	BA157 Diode
DP41	804.441.20	ZPD2,7 Z-Diode	ZPD2,7 Z-Diode	ZPD2,7 Z-Diode
DP44	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
DP45	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DP50	160.081.20	BA159 Diode	BA159 Diode	BA159 Diode
DP51	160.085.60	BY399S Diode	BY399S Diode	BY399S Diode
DP53	160.084.80	BY297 Diode	BY297 Diode	BY297 Diode
DP54	160.081.60	1N4001 Diode	1N4001 Diode	1N4001 Diode
DP55	160.089.00	BYV10-20 Diode	BYV10-20 Diode	BYV10-20 Diode
DP61	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DR03	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DS10	204.750.20	BZX85C8V2 Z-Diode	BZX85C8V2 Z-Diode	BZX85C8V2 Z-Diode
DS40	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DS40	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DS41	101.550.30	BAV103 Diode SMD	BAV103 Diode SMD	BAV103 Diode SMD
DS41	102.224.20	BAV203 Diode SMD	BAV203 Diode SMD	BAV203 Diode SMD
DT01	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT02	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT03	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DT04	160.124.50	LL4148 Diode SMD	LL4148 Diode	LL4148 Diode
DV03	440.092.09	1N4148 Diode	1N4148 Diode	1N4148 Diode
FI01	203.009.50	40M4HZ Filter LA7x7	40M4HZ Filter	40M4HZ Filtre
FI02	103.192.60	38M9HZ Filter LA7x7	38M9HZ Filter	38M9HZ Filtre
FI10	104.532.80	OFWG3969M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI20	102.686.90	OFWG9353M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI20	103.541.10	OFWK9354M Oberflächenwellenfilter	Surface acoustic wave filter	Filtre a onde de surface
FI30	103.485.70	77M8HZ Filter LA7x7	77M8HZ Filter	77M8HZ Filtre
FI40	103.193.50	6M6HZ Filter LA7x7	6M6HZ Filter	6M6HZ Filtre
FI40	103.359.60	5M5HZ Filter LA7x7	5M5HZ Filter	5M5HZ Filtre
FP01	102.467.50 S	2,5AT 250V Sicherung	2,5A Fuse	2,5A Fusible
GM01	101.324.10	TFMK1330T IR-Empfänger stehend	TFMK1330T IC	TFMK1330T CI
IB01	102.314.40	TEA5101B IC	TEA5101B IC	TEA5101B CI
IB01C	102.954.80	Montageclip 4	Clip 4	Agrafe 4
IC01	203.357.50	TDA4665 IC	TDA4665 IC	TDA4665 CI
IF01	150.534.40	TDA8177 IC	TDA8177 IC	TDA8177 CI
IF01B	610.424.00	Silikonscheibe	Silicon plate	Rondelle silicone
IF01C	102.942.20	Montageclip 3	Clip 3	Agrafe 3
IF02	102.645.10	STV2145 IC	STV2145 IC	STV2145 CI
IH01	460.252.00	UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI

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Pos.	Art.-Nr Part No. Code		Bezeichnung	Part	Désignation
II50	103.361.30		TDA9811/V3 IC	TDA9811/V3 IC	TDA9811/V3 CI
IP01	104.522.20		TDA4605-3 IC	TDA4605-3 IC	TDA4605-3 CI
IP50	460.076.00		MC7812CT IC	IC, MC7812CT	CI, MC7812CT
IP60	103.373.70		4N25TV Fotokoppler	4N25TV Photo couplers	4N25TV Photo coupleur
IP70	100.445.80		TDA8139 IC	TDA8139 IC	TDA8139 IC
IP70C	102.954.80		Montageclip 4	Clip 4	Agrafe 4
IP80	460.252.00		UA7805CSP/MC7805 IC	UA7805CSP IC	UA7805CSP CI
IP80C	102.942.20		Montageclip 3	Clip 3	Agrafe 3
IR01	104.443.50		ST9293J9B1 SOFT NS20 IC prog o.S.	ST9293J9B1/AIM IC	ST9293J9B1/AIM CI
IR01	300.721.80		ST92T93J9B1/AEP IC prog. m. S.	ST92T93J9B1/AEP IC	ST92T93J9B1/AEP CI
IR02	100.303.00		ST24C04/B1 IC SELBSTPROGR.	ST24C04/B1 IC	ST24C04/B1 CI
IR02	704.004.19		X24C04 IC	X24C04 IC	X24C04 CI
IS40	103.743.30		MSP3410B-PP-F7 IC		CI MSP3410B-PP-F7
IS40	103.792.90		MSP3400C-PP-C6 IC	MSP3400C-PP-C6 IC	MSP3400C-PP-C6 CI
IS80	102.811.50		TDA7263 IC	TDA7263 IC	TDA7263 CI
IS80C	102.954.80		Montageclip 4	Clip 4	Agrafe 4
IT01	102.588.10		SAA5281ZP/E IC	SAA5281ZP/E IC	SAA5281ZP/E CI
IV01	103.846.80		STV2118B IC CUT 5.1	STV2118B IC	STV2118B CI
IV01	104.466.60		STV2116 IC CUT 5.1	STV2116 IC	STV2116 CI
IX01	508.143.00		LA7221 IC	LA7221 IC	LA7221 CI
LB01	140.366.40		10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LF45	150.396.40		10UH Drossel	10UH Choke coil	10UH Self
LI50	101.503.20		27UH Spule	27UH Coil	27UH Self
LL05	104.525.20	S	Diodensplit-Trafo M30	Diode split transformer	Transformateur THT
LL05	104.525.30	S	Diodensplit-Trafo M30	Diode split transformer	Transformateur THT
LL05	104.525.40	S	Diodensplit-Trafo M30	Diode split transformer	Transformateur THT
LL10	100.626.10		18U0H 10% Drossel	18U0H 10% Choke coil	18U0H 10% Self
LL10	104.779.30		13U5H 4% Drossel	13U5H 4% Choke coil	13U5H 4% Self
LL19	100.681.30	S	Treibertransformator	Driver transformer	Transformateur
LL22	100.926.90	S	Kombi-Spule	Combi coil	Bobine
LL22	100.950.60	S	Kombi-Spule	Combi coil	Bobine
LL26	508.732.54	S	30U5H Spule H-Linearität	30U5H H-Linearity coil	30U5H Bobine linearite
LP01	102.615.30	S	60MIH Filter TF-Mains	Line filter	Self de filtrage
LP06	140.366.40		10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LP16	103.605.80	S	Trafo Schaltnetzteil SMT4	Switched mode power transformer	Transformateur d'alimentation
LR02	140.366.40		10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LR16	140.366.40		10UH Spule SMD	10UH Coil SMD	10UH Bobine SMD
LR26	150.401.10		3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LR28	150.401.10		3U3H 10% Drossel	3U3H 10% Choke coil	3U3H 10% Self
LS10	150.401.80		4U7H Drossel	4U7H Choke coil	4U7H Self
LS25	905.745.50		4U7H 10% Drossel	4U7H 10% Choke coil	4U7H 10% Self
LS40	130.919.50		15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LS41	130.919.50		15UH 10% Drossel	15UH 10% Choke coil	15UH 10% Self
LV16	130.841.30		2U7H 10% Drossel	2U7H 10% Choke coil	2U7H 10% Self
LV17	309.489.60		2U2H 10% Drossel	2U2H 10% Choke coil	2U2H 10% Self
LV18	130.841.30		2U7H 10% Drossel	2U7H 10% Choke coil	2U7H 10% Self
PI50	102.726.80		22KR 30% Trimmwiderstand	22KR 30% Trimmer resistor	22KR 30% Resistance ajustable

Ersatzteile · Spare parts list · Liste de pièces de rechange · Lista parti di ricambio Lista de piezas de recambio

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Pos.	Art.-Nr Part No. Code		Bezeichnung	Part	Désignation
PP66	102.603.70		4K7 Trimmwiderstand liegend	4K7 Trimmer resistor	4K7 Resistance ajustable
QC01	100.877.10		4M433619HZ Quarz	4M433619HZ Crystal	4M433619HZ Quartz
QC02	100.877.20		3M579545HZ Quarz	3M579545HZ Crystal	3M579545HZ Quartz
QR01	102.544.30		8M0HZ Quarz	8M0HZ Crystal	8M0HZ Quartz
QS40	103.346.70		18M432HZ Quarz	18M432Hz Crystal	18M432Hz Quartz
QT01	102.541.20		27MHZ Quarz	27MHZ Crystal	27MHZ Quartz
QV01	480.237.00		CSB503B Keramikfilter	CSB503B Ceramic filter	CSB503B Filtre ceramice
RB01	101.218.80		1K5 0,5W 5% Widerstand	1K5 0,5W 5% Resistor agglom.	1K5 0,5W 5% Resistance
RB04	101.218.80		1K5 0,5W 5% Widerstand	1K5 0,5W 5% Resistor agglom.	1K5 0,5W 5% Resistance
RB06	204.715.00	S	10R 0,4W 5% Sicherheitswiderstand	10R 0,4W 5% Fusible resistor	10R 0,4W 5% Résistance fusible
RB16	150.098.50	S	2K2 0,3W 5% Sicherheitswiderstand	2K2R 0,3W 5% Fusible resistor	2K2R 0,3W 5% Résistance fusible
RB24	804.362.30		82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB31	101.218.80		1K5 0,5W 5% Widerstand	1K5 0,5W 5% Resistor agglom.	1K5 0,5W 5% Resistance
RB44	804.362.30		82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB51	101.218.80		1K5 0,5W 5% Widerstand	1K5 0,5W 5% Resistor agglom.	1K5 0,5W 5% Resistance
RB64	804.362.30		82K 0,5W 5% Widerstand	82K 0,5W 5% Resistor agglom.	82K 0,5W 5% Resistance
RB71	101.218.80		1K5 0,5W 5% Widerstand	1K5 0,5W 5% Resistor agglom.	1K5 0,5W 5% Resistance
RF11	150.225.60	S	1R5 0,5W 5% Sicherheitswiderstand	1R5 0,5W 5% Fusible resistor	1R5 0,5W 5% Resistance fusible
RF12	101.481.60		1R 0,7W 5% Metalloxydwiderstand	1R 0,7W 5% Metal oxide resistor	1R 0,7W 5% Resistance metallique
RF15	108.833.00	S	10R 0,5W 5% Sicherheitswiderstand	10R 0,5W 5% Fusible resistor	10R 0,5W 5% Résistance fusible
RF20	102.337.20		220R 0,7W 1% Metallfilmwiderstand	220R 0,7W 1% Metal film resistor	220R 0,7W 1% Resistance metall.
RH01	130.015.40		22KR 2W 5% Metalloxydwiderstand	22KR 2W 5% Metal oxide resistor	22KR 2W 5% Resistance metallique
RL10	102.332.20		47R 0,5W 5% Widerstand	47R 0,5W 5% Resistor agglom.	47R 0,5W 5% Resistance
RL11	102.262.80	S	15R 0,5W 5% Sicherheitswiderstand	15R 0,5W 5% Fusible resistor	15R 0,5W 5% Resistance fusible
RL12	103.391.80	S	2R2 0,5W 5% Sicherheitswiderstand	2R2 0,5W 5% Fusible resistor	2R2 0,5W 5% Résistance fusible
RL13	104.496.90	S	0R22 0,5W +10% Sicherheitswiderstand	0R22 0,5W +10% Fusible resistor	0R22 0,5W +10% Resistance fusible
RL13	130.632.20	S	0R22 0,7W +10% Sicherheitswiderstand	0R22 0,7W +10% Fusible resistor	0R22 0,7W +10% Resistance fusible
RL25	600.226.00	S	10K 0,5W 5% Sicherheitswiderstand	10K 0,5W 5% Fusible resistor	10K 0,5W 5% Résistance fusible
RL26	103.938.70		1KR 0,5W 10% Metalloxydwiderstand	1KR 0,5W 10% Metal oxide resistor	1KR 0,5W 10% Resistance metall.
RL32	150.228.30		33R 2W 5% Metalloxydwiderstand	33R 2W 5% Metal oxide resistor	33R 2W 5% Resistance metallique
RL47	202.615.10	S	2R7 0,5W 5% Sicherheitswiderstand	2R7 0,5W 5% Fusible resistor	2R7 0,5W 5% Resistance fusible
RL90	103.547.20		432K 0,125W 1% Metallfilmwiderstand	432K 0,125W 1% Metal film resistor	432K 0,125W 1% Resistance metall.
RP01	102.838.40		2R7 2,5W 5% Drahtwiderstand	2R7 2,5W 5% Wire resistor	2R7 2,5W 5% Resistance bobine
RP03	300.934.00	S	25R PTC-Widerstand	25R PTC resistor	25R Resistance CTP
RP13	103.791.40		270R 2,5W 5% Drahtwiderstand	270R 2,5W 5% Wire resistor	270R 2,5W 5% Resistance bobine
RP28	130.841.50		100UH 10% Drossel	100UH 10% Choke coil	100UH 10% Self
RP32	150.095.80	S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RP40	150.098.70	S	2R2 0,3W 5% Sicherheitswiderstand	2R2 0,3W 5% Fusible resistor	2R2 0,3W 5% Résistance fusible
RP49	150.319.50		10MR 0,7W 5% Schichtwiderstand	10MR 0,7W 5% Film resistor	10MR 0,7W 5% Resistance a c.
RP50	103.791.50		150R 2,5W 5% Drahtwiderstand	150R 2,5W 5% Wire resistor	150R 2,5W 5% Resistance bobine
RS12	150.096.60	S	18R 0,3W 5% Sicherheitswiderstand	18R 0,3W 5% Fusible resistor	18R 0,3W 5% Resistance fusible
RS87	150.100.20	S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RS88	150.100.20	S	4R7 0,3W 5% Sicherheitswiderstand	4R7 0,3W 5% Fusible resistor	4R7 0,3W 5% Résistance fusible
RX14	150.095.80	S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
RX32	150.095.80	S	10R 0,3W 5% Sicherheitswiderstand	10R 0,3W 5% Fusible resistor	10R 0,3W 5% Resistance fusible
SM01	103.717.10	S	Schutzkappe Netzschalter	Mains switch protection cap	Capot contacteur secteur
SM01	103.879.50	S	Netzschalter	Push switch	Commutateur poussoir
SM02	300.111.00		Taktschalter	Tact switch	Interrupteur de cadence
SM03	300.111.00		Taktschalter	Tact switch	Interrupteur de cadence

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Pos.	Art.-Nr Part No. Code	Bezeichnung	Part	Désignation
SM04	300.111.00	Taktschalter	Tact switch	Interrupteur de cadence
SM05	300.111.00	Taktschalter	Tact switch	Interrupteur de cadence
TB18	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
TF29	160.009.30	BC548B Transistor	BC548B Transistor	BC548B Transistor
TI10	160.070.30	DTC144EK Transistor	DTC144EK Transistor	DTC144EK Transistor
TI20	160.058.60	BF799 Transistor SMD	BF799 Transistor SMD	BF799 Transistor SMD
TI70	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TL19	104.011.10	BUH516TH16 Transistor	BUH516TH16 Transistor	BUH516TH16 Transistor
TL19C	102.548.30	Montageclip	Clip metal	Agrafe
TL30	160.009.30	BC548B Transistor	BC548B Transistor	BC548B Transistor
TL31	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TL41	450.493.00	BD681 Transistor	BD681 Transistor	BD681 Transistor
TL41B	610.424.00	Silikonscheibe	Silicon plate	Rondelle silicone
TL41C	102.942.10	Montageclip 2	Clip 2	Agrafe 2
TL60	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TL61	160.063.30	BC858B Transistor SMD	BC858B Transistor SMD	BC858B Transistor SMD
TP16	102.375.50	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH	STP6NA60FI Trans.PWR-SWITCH
TP16C	102.942.20	Montageclip 3	Clip 3	Agrafe 3
TP22	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TP40	102.599.10	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor	BTB06-600C TRIAC Transistor
TP48	160.063.30	BC858B Transistor SMD	BC858B Transistor SMD	BC858B Transistor SMD
TP60	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP61	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
TP91	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TP96	160.063.30	BC858B Transistor SMD	BC858B Transistor SMD	BC858B Transistor SMD
TR01	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TR02	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TS20	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TS81	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TS90	110.707.70	BC847B Transistor SMD	BC847B Transistor	BC847B Transistor
TT01	160.063.00	BC848C Transistor SMD	BC848C Transistor SMD	BC848C Transistor SMD
TV62	450.014.66	BC337-40 Transistor	BC337-40 Transistor	BC337-40 Transistor
TX01	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TX10	160.009.30	BC548B Transistor	BC548B Transistor	BC548B Transistor
TX30	160.011.10	BC558B Transistor	BC558B Transistor	BC558B Transistor
TX31	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TX55	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
TX56	450.617.85	BC848/B Transistor SMD	BC848/B Transistor	BC848/B Transistor
-	103.700.30	Hochspannungskabel 600mm rot	High tension cable red	Cable a haute tension
-	103.716.60	Fokuskabel 460mm rt	Focus cable 460mm rt	Cable focus 460mm rt
-	100.005.80	Halter PSB	Holder PSB	Support PSB
-	102.856.90	Halter Abschirmblech ICC10	Holder Shielding	Support
-	251.142.20	Chassisrahmen TX92	Chassis frame	Chassis plastique
-	251.200.40	Chassisrahmen TX92	Chassis frame	Chassis plastique

ABBREVIATIONS - ABREVIATIONS - ABKÜRZUNGEN - ABBREVIAZIONI - ABREVIACIONES

● **AF**	AUDIO FREQUENCY **FREQUENCE AUDIO**
● **BCL**	BEAM CURRENT INFORMATION **INFORMATION COURANT DE FAISCEAU**
● **CVBS**	COMPOSITE VIDEO / LUMINANCE SIGNAL **SIGNAL VIDEO COMPOSITE**
● **DEGAUSS**	DEGAUSS SIGNAL **SIGNAL DE COMMANDE DE DEMAGNETISATION**
● **EWDRIVE**	DRIVE SIGNAL FOR EAST-WEST CORRECTION **SIGNAL DE COMMANDE CORRECTION EST-OUEST**
● **EWSENSE**	FEED BACK SIGNAL OF EAST-WEST CORRECTION **SIGNAL DE CONTRE-REACTION EST-OUEST**
● **FORMAT**	COMMAND USED TO CHANGE THE PICTURE FORMAT **COMMANDE UTILISEE POUR CHANGER LE FORMAT**
● **FB**	FAST BLANKING **COMMUTATION RAPIDE**
● **HDRV**	HORIZONTAL DEFLECTION SIGNAL **SIGNAL DE COMMANDE DE BALAYAGE HORIZONTAL**
● **+ H**	POSITION FLY BACK PULSE **IMPULSION DE RETOUR LIGNE DE REFERENCE**
● **HEATER**	HEATER VOLTAGE **TENSION DE FILAMENT**
● **I-CUT**	CUTOFF CURRENT **COURANT DE CUTOFF**
● **IR**	DATA FROM INFRARED RECEIVER **DONNEES ISSUES DU RECEPTEUR INFRAROUGE**
● **OSCIN / OSCOUT**	OSCILLATOR INPUT / OUTPUT **ENTREE / SORTIE OSCILLATEUR**
● **S**	VERTICAL S - CORRECTION **CORRECTION S VERTICALE**
● **SAFETY**	SIGNAL FOR DETECT. OF ERRORS ON THE DEFLEC.PART **SIGNAL DE DETECT. D'ERREURS PARTIE DEFLECTION**
● **SCL**	SERIAL CLOCK **SIGNAL HORLOGE SERIE**
● **SDA**	SERIAL DATA **DONNEE SERIE**
● **SIF**	SOUND IF **FI SON**
● **VTUNE**	TUNING VOLTAGE **TENSION DU TUNER**
● **VSYNC**	VERTICAL DEFLECTION SIGNAL **SIGNAL DE COMMANDE BALAYAGE VERTICAL**